

Ref. No. 8/2/19.05.2023

TO
THE DIRECTOR OF
RIOSV - HASKOVO 14
DOBRUJA STREET
HASKOVO 6300

Re: *Report on the classification carried out pursuant to Article 103, paragraph 1 of the Environmental Protection Act (EPA) for an investment proposal (IP): Extraction and processing of polymetallic ores from the "Rozino" deposit, "Tintyava" area*

DEAR MADAM DIRECTOR,

In connection with your letter No. PD-279-(13)/24.04.2023 We hereby submit to you a corrected and supplemented report, in accordance with the instructions given, on the classification carried out under Article 103(1) of the Environmental Protection Act (EPA) for an investment proposal (IP): Extraction and processing of polymetallic ores from the "Rozino" deposit, "Tintyava" area

Appendix: as per the text

Yours sincerely
ENG. DANIEL MARINOV
Executive Director of Tintyava Exploration AD

REPORT

ON CLASSIFICATION PERFORMED IN ACCORDANCE WITH ART. 103, PAR. 1 OF THE ENVIRONMENTAL PROTECTION ACT (EPA) AND ART. 6, PAR. 1 OF THE REGULATION ON THE PREVENTION OF MAJOR ACCIDENTS INVOLVING HAZARDOUS SUBSTANCES AND THE LIMITATION OF THEIR CONSEQUENCES (prepared in accordance with the template in Annex No. 1 to the above-mentioned regulation)

1. General information about the operator and the enterprise/facility:

1.1. name and/or trade name of the operator, unique identification code (UIC) of the operator;

Tintyava Exploration AD, EIK 204432874

1.2. full address of the operator's registered office;

6570, Ivaylovgrad, 1 Shesti Septemvri Street Correspondence address (if different from that under item 1.2)

1.3. telephone, fax, and e-mail of the operator; Mobile: + 359 888975088

1.4. Mobile: + 359 888975088 E-mail:

E-mail: dmarinov@velocityminerals.com

1.5. name of the enterprise/facility and, where applicable, of the holding company/parent company; Tintyava Exploration AD

1.6. full address of the establishment/facility (name and postal code of the town, name and number of the street, district, municipality, link to the establishment's website);

6570, Ivaylovgrad, 1 Shesti Septemvri Street location of the establishment/facility, number(s) of the land plot(s)

1.7. location of the site of the enterprise/facility, number(s) of the land property/properties representing the site of the enterprise/facility, and geographical coordinates of the conditional geometric center of the enterprise/facility (latitude and longitude in degrees, minutes, and seconds);

The Tintyava area (Rozino deposit) is located 1.2 km south of the village of Rozino, Ivaylovgrad municipality, Haskovo region. The register of properties affected by the future activity will be prepared and presented at the next stages of the investment initiative's development, as it is not currently available.

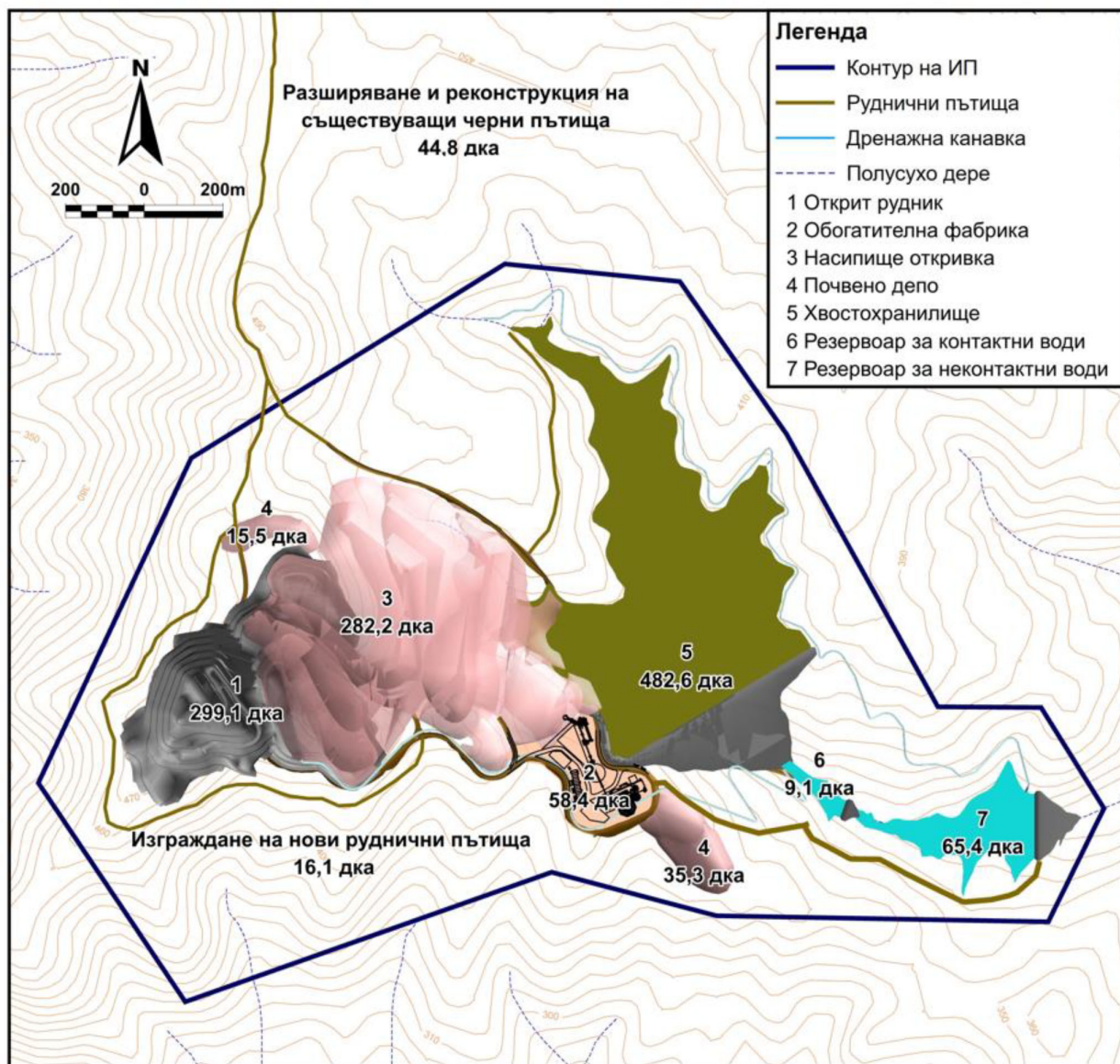


Fig. 1. Outline of the future concession area and the elements of the investment proposal

REGISTER
of characteristic points on the contour of the future concession area of the Rosino deposit,
coordinate system BGS 2005

Table: Coordinate register of the boundary points of the project concession contour for investment intention (BGS 2005 system)		
No	East (m)	North (m)
1	408795	4589229
2	409239	4589184
3	409510	4588798
4	409894	4588109
5	410156	4588107
6	410316	4587852
7	410175	4587565
8	409332	4587580
9	408913	4587690
10	407982	4587362
11	407609	4587916
12	407997	4588738

1.8. name and full address of the owner(s) of the land on which the facilities are built or will be built;

The total planned concession area is **3044.7 decares**, with mixed ownership - state, municipal, and private.

The company does not have title deeds to the land or a concession agreement, given the requirements and procedure for granting a concession set out in the Underground Resources Act, namely that a concession for extraction is granted after a commercial discovery has been made, for which a decision under Chapter Six, Section Three of the Environmental Protection Act approving the investment proposal must have entered into force. Due to these legal requirements, it is not possible to provide evidence that meets the criteria set out in point 43. To § 1 of the Additional Provisions of the Underground Resources Act. The only document available is a letter from the ME ref. No. E-26-T-364/15.05.2020 attached to

The notification for the investment proposal (Appendix No. 2) specifically states that a positive EIA decision that has entered into force is required.

1.9. name and full address of the owner(s) of the buildings on the land property where the activity/activities are carried out or will be carried out;

1.10. contact details of the person responsible for the operation of the enterprise/facility:

1.10.1. name;

Eng. Daniel Marinov

1.10.2. Position

Executive Director

1.10.3. telephone, fax, e-mail;

tel. 0888975088, dmarinov@velocityminerals.com

1.11. contact details and position of the person responsible for preparing the classification of the enterprise;

Daniel Marinov, Executive Director **Mobile:** + 359
888975088
E-mail dmarinov@velocityminerals.com

2. Brief description of the activity or planned activities in the enterprise/facility.

The activity is for the extraction and processing of polymetallic ores from the Rosino deposit, Tintyava exploration area. The main activities included in the proposal are:

- open-pit mining of polymetallic ores;
- processing of the ore by flotation to obtain concentrate;
- construction and operation of the necessary accompanying infrastructure - roads, water supply, electricity supply, material storage facilities, mining waste facilities, etc.

The generated mining waste will be deposited in two mining waste storage facilities - a dump for sterile rock mass (from ore extraction) and a tailings storage facility (for flotation waste), with the expectation at this stage that the waste will be classified as non-hazardous.

3. Type of industry according to the classification of activities in the eSPIRS database and/or NACE code (activity code according to the Classification of Economic Activities (NACE 2008) of the National Statistical Institute):

3.1. The type of industry is indicated in accordance with the codes in eSPIRS, as follows:

- (1) Agriculture;**
- (2) Recreational and sporting activities (e.g., ice rinks);**
- (3) Mining activities (tailings waste and physicochemical processes);**
- (4) Metal processing;**
- (5) Ferrous metal processing (foundries, smelting furnaces, etc.);**
- (6) Non-ferrous metal processing (foundries, smelting furnaces, etc.);**
- (7) Metal processing by electrolytic or chemical processes;**
- (8) Petrochemical/oil refineries;**
- (9) Electricity generation, supply, and distribution;**
- (10) Fuel storage (including for heating, retail sale, etc.);**
- (11) Production, destruction, and storage of explosives;**
- (12) Manufacture and storage of fireworks;**
- (13) Production, bottling, and distribution of liquefied petroleum gases (LPG) in bulk;**
- (14) Storage of LPG;**
- (15) Storage and distribution of liquefied natural gas (LNG);**
- (16) Wholesale and retail storage and distribution, except for LPG;**
- (17) Production and storage of pesticides, biocides, fungicides;**
- (18) Production and storage of fertilizers;**
- (19) Production of pharmaceutical products;**
- (20) Storage, treatment, and disposal of waste;**
- (21) Water supply and sewerage (collection, water supply, treatment);**
- (22) Chemical installations;**
- (23) Manufacture of basic organic chemicals;**

- (24) **Manufacture of plastics and rubber;**
- (25) **Manufacture and processing of pulp and paper;**
- (26) **Wood processing and furniture;**
- (27) **Manufacture and processing of textiles;**
- (28) **Production of food products and beverages;**
- (29) **General engineering, manufacturing, and assembly;**
- (30) **Shipbuilding, ship dismantling, ship repair;**
- (31) **Buildings and construction facilities;**
- (32) **Ceramic products (bricks, ceramics, glass, cement, etc.);**
- (33) **Glass industry;**
- (34) **Production of cement, lime, and gypsum;**
- (35) **Electronics and electrical engineering;**
- (36) **Freight handling and transport centres (ports, airports, truck and freight parks, distribution stations, etc.);**
- (37) **Medical care, research, education (including hospitals, universities, etc.);**
- (38) **Manufacture of general-purpose chemicals (not elsewhere listed);**
- (39) **Other activities (not listed).**

3.2. NACE code:

When the enterprise/facility is associated with more than one NACE code, a distinction is made between the main activity and secondary activities.

4. Planned date for the start of construction work on the enterprise/facility.

The date will be known after obtaining a mining concession under the Underground Resources Act.

5. Planned date for commissioning of the enterprise/facility.

The date will be known after obtaining a mining concession under the Underground Resources Act.

6. Information about the site's connections to the infrastructure of the region and/or municipality.

The implementation of the investment proposal requires the construction of internal roads and access roads to the sites. The road connection to the Rozino mine will be provided by the existing dirt road through the villages of Rozino and Konnitsa, which connects to asphalt road II 59, connecting the towns of Ivaylovgrad and Krumovgrad.

7. Information on the type and use of neighbouring areas.

The neighbouring lands are undisturbed, with natural landscape and vegetation. Part of them are used for agricultural purposes and as pastures.

8. Description of the technological processes and facilities in which hazardous substances from Annex 3 to the Environmental Protection Act will be present.

The hazardous chemicals and mixtures (HCM) listed below will be used and stored on the mining site as part of the ore enrichment process.

Diesel fuel will be used for the loading and transport equipment and auxiliary self-propelled equipment used in ore extraction. The diesel fuel will be stored in a 50 m³ tank. Diesel fuel has an average density of 0.85, so ***the diesel fuel on site will be 42.5 tons.***

It is planned that explosives will be supplied by a specialized company and will not be stored on site.

At this stage, it is not possible to describe in detail the technological processes, equipment, and pipelines in which the following hazardous substances will be present: foaming agent - methylisobutyl carbinol, collector A 404 (mixture), sodium hydrogen sulfide, and copper sulfate, as there are no working designs that specify the dimensions of the specific equipment in a way that would allow these quantities to be calculated. This will only be possible after the entry into force of a decision on the environmental impact assessment (EIA) for the approval of the investment proposal and the granting of a mining concession. These documents, in turn, will allow Tintyava Exploration AD to proceed with the working design of the facilities within the meaning of the Spatial Development Act, which will allow their dimensioning. Upon reaching this stage, the current classification will also be updated.

Pursuant to Article 4, paragraph 4 of *the Ordinance on the Conditions and Procedure for Performing an EIA*, in the case of an investment proposal for the construction of a new or modified or expanded existing or other enterprise/facility with low or high risk potential, which falls within the scope of Annex 1 or Annex 2 to the Environmental Protection Act, the notification under paragraph 1 shall be accompanied by an up-to-date notification under Article 103, paragraph 2 or 5 of the Environmental Protection Act for the classification of the enterprise/facility in accordance with *the Ordinance on the Prevention of Major Accidents Involving Dangerous Substances and the Limitation of their Consequences*.

Pursuant to Article 4, paragraph 5 of *the Ordinance on the Conditions and Procedure for Performing an EIA*, an exception under paragraph 4 is allowed for an investment proposal for the construction of a new enterprise/facility for which, at this stage, complete information is not available on the classification of hazardous substances that are expected to be present on the site of the enterprise/facility.

In this specific case, pursuant to Article 6, paragraph 1 of *the Ordinance on the Prevention of Major Accidents Involving Dangerous Substances and the Limitation of their Consequences*, the operator of an establishment/facility where dangerous substances listed in Annex 3 to the Environmental Protection Act are present but which is not classified as an establishment with low or high risk potential, based on a classification carried out in accordance with the criteria of that Annex, shall keep a report of the classification carried out in accordance with Article 103(1) of the Environmental Protection Act and shall provide it upon request by the authorities under Article 148(3) of the Environmental Protection Act. This classification has been prepared for this very purpose.

The extraction and processing of polymetallic ores will generate the following ***mining waste***:

- code 01 01 01 - waste from the exposure and extraction of metal minerals, which will be deposited in a sterile rock mass dump;
- with code 01 03 06 - enrichment residues other than those mentioned in 01 03 04 and 01 03 05, which will be transported to a tailings storage facility.

The study conducted on the generation of acidic water from the rocks in the deposit shows that the rocks from the open pit **do not generate** such water and no metal leaching is expected. Both the ore

the sterile rock mass have a low sulphide (pyrite) content and a relatively high neutralisation potential, resulting in neutralisation potential coefficients above 2. The results of the metal leaching tests show that the infiltrate from the ore, the sterile rocks, and the flotation waste, respectively, would not have hazardous properties.

The investment proposal *generates hazardous waste* related to mining, processing, and transport equipment. The waste generated will be collected separately and promptly transferred for subsequent treatment, in accordance with a contract with companies holding registration or permit documents issued under the Waste Management Act. No hazardous waste will be stored on the territory of the investment proposal.

9. Brief description of:

9.1. the environment surrounding the enterprise/facility, including populated areas and/or protected areas in the vicinity of the enterprise/facility;

The environment is natural, not anthropogenically influenced, with no established pollution. There are settlements nearby. The nearest settlement is the village of Rozino, 1.2 km away.

There are no protected areas nearby, but the entire site falls within two protected areas under Natura 2000.

9.2. natural or anthropogenic factors that could lead to a major accident or aggravate its consequences (e.g., earthquake zones, risk of flooding, icing, etc., and/or proximity to busy transport infrastructure—roads, railways, pipelines, airports, etc.);

There are no natural or anthropogenic factors around the Rosino deposit that could lead to a major accident or aggravate its consequences.

According to the current seismic zoning of the Republic of Bulgaria, the deposit area falls within a territory with a probability of an earthquake with an impact level of I-VII on the MSK scale. The seismicity coefficient for the area is $K_s = 0.10$.

The terrain is not located in an area with a significant risk of flooding.

It is not located near transport infrastructure, pipelines, airports, etc.

9.3. neighboring enterprises and facilities, areas and buildings that do not fall within the scope of Chapter Seven, Section I of the Environmental Protection Act, but may be a source of or increase the risk or consequences of a major accident at the enterprise/facility and the domino effect.

There are no such establishments in the area.

10. Description of the dangerous substances that are or are planned to be present in the establishment/facility:

According to note 3, under part 2 of Annex No. 3 to the ZOOS, certain hazardous substances in a given enterprise/facility may not be taken into account in calculating the total available quantity only if they are in **quantities equal to or less than 2%** of the relevant minimum quantity threshold, and if their location within the establishment is such that they could not cause a major accident elsewhere in the same establishment.

This legal rule has been applied in calculating the total quantity of dangerous substances in point 11 below, taking into account the distance between the flotation plant site and the potential location of the diesel fuel tank (more than 500 meters as the crow flies).

According to Note 6 under Part 2 of Annex No. 3 to the ZOOS 6. "In the case of dangerous

substances with properties that lead to more than one classification for the purposes of Chapter Seven, Section I and the ordinance under Article 103, paragraph 9, the relevant lowest threshold quantities shall apply. For the application of the rule in Note 4, the lowest threshold quantity for each group of categories in Note 4, letters "a", "b" and "c", which correspond to the relevant classification, shall be used."

It is precisely this legal rule that has been applied in the calculations in point 11 below.

Chemical name ¹	CAS No	EC No	Hazard category(ies) according to Regulation (EC) No 1272/2008 on classification, labeling, and packaging of substances and mixtures (CLP) (OJ L 353/1, December 31, 2008)	Classification according to Annex No. 3 to Article 103, paragraph 1 of the Environmental Protection Act ²	Type of technological facility/facilities	Design capacity of the technological facility/facilities (in tons) ³	Available quantity (in tons) ⁴	Physical properties ⁵
1	2	3	4	5	6	7	8	9
Diesel fuel	6833 4-305	269 882-7	Flammable liquid, Category 3 H226: Flammable liquids and vapors Toxic if inhaled, category 1, H304: May be fatal if swallowed and inhalation Irritating 2 H315: Causes skin irritation Acute toxicity, category 4 H332: Harmful if inhaled Carcinogenic, Category 2 H351: Suspected of causing cancer STOT RE 2 H373: May cause damage to the organs in case of prolonged or repeated exposure Chronic hazard to the aquatic environment, Category 2 H411: Toxic for aquatic organisms with long-term effect, category 2	Specified by name, Part 2, item 34, (c) gas oils (including diesel fuels, household fuels heating and gas oil mixtures); Part 1, Section P, P5b Flammable liquids, Category 2 or 3, which are not covered by P5a and P5b (due to code H226) Part 1, Section E, E2 Hazardous to the aquatic environment in Category Chronic hazard, Category 2 (due to code H411)	Steel tanks with a total capacity of 42.5 tons - 50,000 liters - 55m ³ . Density 0.85. The dimensions of the tanks will be in accordance with the Project for the construction of a gas station under the Spatial Development Act.	42.5	42.5	Liquid stored is applied normal conditions
Foaming agent - Methyl isobutyl carbinol	108 11	203 551-7	Flammable liquid, Category 3, H226 Specific target organ toxicity - single exposure, Category 3, H335	Part 1, Section P, P5c Flammable liquids Flammable liquids, Category 2 or 3, not covered by P5a and P5b (due to code H226)	Storage room and tank for storing the solution with a total capacity of 480 kg - 500 liters - 0.6 m ³ , and a tank for supplying	6.6	6.6	Liquid

					solution with a total capacity of 60 kg - 64 liters - 0.06 m ³ with a system for solution dosing system.			
Potassium amyl xanthoate	272073 - 2	220329 - 5	Flam. Solid 1 H228 Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT Single Exp. 3 H335	Not applicable	Storage room and tank for storing the solution with a total capacity of 1440 kg -9600- 10 m ³ , and tank for supplying the solution with a total capacity of 480 kg - 3200 liters - 3.5 m ³ with a dosing system for the solution.	18.7	18.7	Dust
Collector A404 (mixture)	-	-	Corrosive to metals, Category 1 H290 Skin corrosion/irritation, Category 1 H314 Serious eye damage/eye irritation, Category 1 H318 Skin sensitization, Category 1 H317 Short-term (acute) aquatic hazard, Category 2 H401 Long-term (chronic) aquatic hazard, Category 2 H411	Part 1, Section E, E2 Hazardous to the aquatic environment in Category Chronic hazard, Category 2 (due to code H411)	Storage room and tank for solution preparation with a total capacity of 360 kg - 2400 liters - 2.5 m ³ , and a tank for solution delivery with a total capacity of 60 kg - 400 liters - 0.4 m ³ with a solution dosing system.	3.6	3.6	Fluid
Flocculant (mixture)	-	-	Serious eye damage/eye irritation; Category 1 H318	Not applicable	Tomal PolyRex - automatic machine for	2.2	2.2	Flakes and pellets

					preparation of polymer solutions.			
Sodium hydrogen sulfide	240778-0	1672 1-805	Met. Corr. 1 H290 Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Acute 1 H400	Part 1, Section E, E1 Hazardous to the aquatic environment in Category Acute Hazard, Category 1, or Chronic Hazard, Category 1 (due to code H400) Part 1, Section H, H2 Acute toxicity (due to code H301)	Storage room and tank for solution preparation with a total capacity of 3600 kg - 23,980 liters - 25 m³, and a tank for supplying the solution with a total capacity of 1,200 kg - 8000 liters - 8 m³ with a dosing system for the solution.	48	48	Flakes
Copper sulfate	7758998	231847-6	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	Part 1, Section E, E1 Hazardous to the aquatic environment in Acute Hazard Category 1 or Chronic Hazard Category 1 (due to codes H400 and H410)	Storage room and tank for solution preparation with a total capacity of 3000 kg - 20,000 liters - 20 m³, and a solution supply tank with a total capacity of 1,500 kg - 10,000 liters - 10 m³ with a dosing system for .	45	45	Solid substance
Prista® M10 D	mixture		Not classified		Storage room, 2 barrels of 110 kg each	0.22	0.2	Liquid

Prista AN 68 100	Mixture		Not classified		Storage room, 2 110 kg barrels	0.22	0.22	Liquid
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¹ The trivial or common name of the chemical substance shall be indicated

² Indicate whether the substance is listed by name in Part 2, column 1 of Annex No. 3 to the Environmental Protection Act, or is classified in one or more hazard categories in accordance with Part I of Annex No. 3 to the Environmental Protection Act, indicating all hazard categories of the substance from column 1 of Part I and their serial number. If hazardous substances in the form of waste are present in the enterprise/facility, a description of the classification shall be provided in accordance with note 5 of Annex

No. 3 to the Environmental Protection Act.

³ The number and maximum capacity of storage and/or production facilities, including pipelines on the premises of the enterprise, in which the relevant dangerous substance listed in Annex 3 to the Environmental Protection Act is or will be present, shall be indicated. *At this stage, it is not possible to describe all the technological facilities in which the dangerous substances will be present, as there are no working designs that dimension the specific facilities and pipelines in a way that would allow these quantities to be calculated. This will only be possible after the entry into force of an EIA decision approving the investment proposal and obtaining a mining concession. These documents, in turn, will allow Tintyava Exploration AD to proceed with the working design of the facilities within the meaning of the Spatial Development Act, which will allow their dimensioning. Upon reaching this stage, the current classification will also be updated.*

⁴ The maximum quantities of hazardous substances are indicated in accordance with note 3 of Annex No. 3 to the Environmental Protection Act.

⁵ The conditions under which the substance is stored shall be specified, such as aggregate state (solid, liquid, gaseous), particle size (powder, pellets, etc.), pressure, temperature, etc. In the case of hazardous substances classified in hazard categories P5a, P5b, or P5c in accordance with Part I of Annex No. 3 to the Environmental Protection Act, the specific operating conditions, including the temperature and pressure in the technological facilities where the substances are stored, shall be specified.

Note: The quantities of hazardous substances present in the technological facilities described in column 6 are part of the maximum quantities specified in columns 7 and 8 of the table above.

11. Classification of the enterprise/facility:

11.1. Enterprise with low risk potential:

Yes/No

11.2. High-risk enterprise:

Yes/No

11.3. Detailed description of the classification of the enterprise/facility under Article 5, paragraph 1 or 2:

Note: The quantities of hazardous substances used in the calculations are the maximum quantities available at the enterprise and facilities specified in columns 7 and 8 of the table above.

The risk potential of the enterprise has been determined in accordance with the guidelines in Annex 3 to Article 103(1) of the Environmental Protection Act.

Below, a check will be made for low and high risk potential for each of the substances.

Diesel fuel falls under Part 2 "Specifically listed hazardous substances", column 1, item 34c of Annex No. 3 to Article 103, paragraph 1 of the Environmental Protection Act. The maximum quantities that will be available or are likely to be available at any given time at the site are 42.5 tons, which is significantly below the threshold for low risk potential - 2,500 tons, as well as for high risk potential - 25,000 tons.

According to *the Guidance on the classification of establishments and/or facilities*, where a substance or group of substances listed in Part 2 also falls within the classification in Part 1, the thresholds for minimum quantities specified in Part 2, columns 2 and 3, shall apply. Therefore, these quantities were used in the first calculation.

According to note 6 of the same guide, in the case of hazardous substances with properties that lead to more than one classification for the purposes of Chapter Seven,

Section I of the ZOOS, the relevant lowest threshold quantities shall apply. For the application of the rule in note 4, the lowest threshold quantity for each group of categories in note 4, letters "a", "b" and "c", which correspond to the relevant classification, shall be used.

Therefore, in the subsequent calculations, the lower thresholds have been taken. For substances falling under Part 1, **Section P, P5c Flammable liquids**, Category 2 or 3, which are not covered by P5a and P5b, the threshold for low risk potential is 5,000 tons, and for high risk potential it is 50,000 tons. The maximum quantities that will be available or are likely to be available at any given time at the site are:

- 42.5 tons of diesel fuel;
- 6.6 tons of foam concentrate.

No single hazardous substance is present in quantities equal to or above the relevant threshold quantities.

In accordance with Note 4 under Part 2 of Annex 3 to the ZOOS, the following formula is applied:

$q1/Q1 + q2/Q2 + q3/Q3 + q4/Q4 + q5/Q5 + qx/Qx$, where:

qx is the quantity of hazardous substance x (or category of hazardous substances) falling under Part 1 or Part 2;

Ox is the corresponding threshold quantity for hazardous substance or category x from Part 1, column 2 or Part 2, column 2.

If the result is greater than 1, the establishment is classified as having a high or low risk potential.

> The summation according to Section "P", P5c Flammable liquids for low risk

potential is presented in the following table:

No	Name	Available quantity (tons) q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	diesel fuel	42.5	2500	0.017
2	foaming agent	6.6	5000	0.00132
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.01832	

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "P"

- Physical hazards. The total ratios of the available quantity to the limit values for the respective risk potential are less than 1.

> The summation according to Section "P" P5c Flammable liquids for high risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	diesel fuel	42.5	25,000	0.0017
2	foaming agent	6.6	50,000	0.000132
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.001832	

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the Environmental Protection Act, Section "P".

- Physical hazards. The total ratios of available quantities to limit values for the respective risk potential are less than 1.

For substances falling under Part 1, **Section "E" - Environmental Hazards, E1 Hazardous to the aquatic environment** in the Acute Hazard Category, Category 1, or Chronic Hazard, Category 1, the threshold for low risk potential is 100 tons, and for high risk potential it is 200 tons. The maximum quantities that will be available or are likely to be available at any given time at the site are:

- 48 tons of sodium hydrogen sulfide;
- 45 tons of copper sulfate.

No single hazardous substance is present in quantities equal to or above the relevant threshold quantities.

In accordance with Note 4 under Part 2 of Annex 3 to the ZOOS, the following formula applies:

$$q_1/Q_1 + q_2/Q_2 + q_3/Q_3 + q_4/Q_4 + q_5/Q_5 + q_x/Q_x, \text{ where:}$$

qx is the quantity of hazardous substance x (or category of hazardous substances),

falling under Part 1 or Part 2;

Q_x is the relevant threshold quantity for a dangerous substance or category x in Part 1, column 2, or Part 2, column 2.

If the result is greater than 1, the establishment is classified as having a high or low risk potential.

> The summation according to Section "E 1" for low risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	sodium hydrogen sulfide	48	100	0.48
2	copper sulfate	45	100	0.45
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.93	

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "E 1" - Hazardous to the aquatic environment in the Acute Hazard Category, Category 1. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

> The summation according to Section "E 1" for high risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	sodium hydrogen sulfide	48	200	0.24
2	copper sulfate	45	200	0.225
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.465	

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "E 2" - Hazardous to the aquatic environment in the Acute Hazard Category, Category 1. The total ratios of the available quantity to the limit values for the respective risk potential are less than 1.

For substances falling under Part 1, **Section "E" - Environmental hazards, E2 Hazardous to the aquatic environment** in the Chronic Hazard Category, Category 2, the threshold for low risk potential is 200 tons, and for high risk potential it is 500 tons. The maximum quantities that will be available or are likely to be available at any given time at the site are:

- 42.5 tons of diesel fuel;

- 3.6 tons of collector;

No single hazardous substance is present in quantities equal to or above the relevant threshold quantities.

In accordance with Note 4 under Part 2 of Annex 3 to the ZOOS, the following formula applies:

$q1/Q1 + q2/Q2 + q3/Q3 + q4/Q4 + q5/Q5 + qx/Qx$, where:

qx is the quantity of hazardous substance x (or category of hazardous substances) falling under Part 1 or Part 2;

Qx is the corresponding threshold quantity for hazardous substance or category x from Part 1, column 2 or Part 2, column 2.

If the result is greater than 1, the establishment is classified as having a high or low risk potential.

> The summation according to Section "E 2" for low risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	diesel fuel	42.5	2500	0.017
2	collector	3.6	200	0.018
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.035	

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "E 2" - Hazardous to the aquatic environment. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

> The summation according to Section "E 2" for high risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	diesel fuel	42.5	25000	0.0017
2	collector	3.6	50	0.0072
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.0089	

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "E 2" - Hazardous to the aquatic environment. The total ratios of the available quantity to the limit values for the respective risk potential are less than 1.

For substances falling under Part 1, **Section "E" - Environmental hazards**

a third, overall check should be performed:

> The summation according to Section "E" for low risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	sodium hydrogen sulfide	48	100	0.48
2	copper sulfate	45	100	0.45
3	diesel fuel	42.5	2500	0.017
4	collector	3.6	200	0.018
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.965	

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, *Section "E" - Environmental Hazards*. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

> The summation according to Section "E" for high risk potential is presented in the following table:

No	Name	Available quantity /tonnes/ q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	sodium hydrogen sulfide	48	200	0.24
2	copper sulfate	45	200	0.225
3	diesel fuel	42.5	2500	0.0017
4	collector	3.6	50	0.0072
-	£ according to Note 4 to Annex 3 of ZOOS	-	0.4739	

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, *Section "E" - Environmental hazards*. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

For the substance falling under Part 1, *Section "H" - Health Hazards, H2 Acute Toxicity* - Category 2, all routes of exposure - Category 3,

inhalation route of exposure, the threshold for low risk potential is 50 tons, and for high risk potential is 200 tons. The maximum amount of sodium hydrogen sulfide that will be available or is likely to be available at any given time at the site is 48 tons.

11.4. Detailed description of the planned changes/extensions under Article 7(3):

12. Presence of confidential information: Yes/No

12.1. Trade or commercial secret: Yes

Type of information under points 1 to 12 and reasonsNo

12.2. State or official secret: Yes

Type of information under items 1 to 12 and reasons.....No

12.3. Personal data: Yes/No

Description of data:

13. For enterprises/facilities that do not fall within the scope of Annex 1 or Annex 2 to the Environmental Protection Act - number and date of the opinion of the relevant competent authority under Chapter Six, Section III of the Environmental Protection Act that the planned construction or modification/extension of the enterprise/facility or parts thereof is not subject to the procedure under Chapter Six, Section III of the Environmental Protection Act.

An EIA procedure is to be carried out for the investment proposal for "Extraction and processing of polymetallic ores from the Tintyava area (Rozino deposit)".

14. Information about the fee paid and date of payment - not applicable

Appendices:

1. Diagrams showing the (planned) use, production, and storage of hazardous substances from Annex 3 to the Environmental Protection Act and a site plan showing the location of the technological facilities listed in column 6 of the table under item 10. Description of the location of all buildings on the site.

As the activity is at the "investment proposal" stage, there is no precisely defined location for the chemical storage facilities and the diesel fuel tank. The final location will be determined at the next stage of development of the mining site.

2. Copies of the current safety data sheets for hazardous substances at the enterprise/facility.

At present, the activity is at the investment proposal stage and there are no substances available on site, so there is no SDS available from a specific manufacturer from whom the company supplies materials. We are attaching an SDS based on data from the internet. Data from the website of the European Chemicals Agency has been used for the classification of sodium hydrogen sulfide.

3. Declaration by the operator/contracting authority on the accuracy of the data, prepared in accordance with Annex No. 10.

Date: 19.05.2023

Declaration of data accuracy

The undersigned: Daniel Radoslavov Marinov
(first name, middle name, last name)
in my capacity as the person ~~managing/representing~~ the company:
Tintyava Exploration AD with UIC 204432874
(company name) registered office and
address of management
Ivaylovgrad 6570 1 Shesti Septemvri Street Tel.:
0888975088 I DECLARE THAT:

DECLARE THAT:

All documents submitted by me in paper and electronic form are true and contain reliable information corresponding to the actual situation, including the planned changes/expansions to the site of the enterprise/facility.

I am aware of the criminal liability under Article 313 of the Penal Code for providing false data and documents.

Daniel
OV

Declarant:
(signature)

Digitally signed by Daniel
Marinov
Date: 2023.05.19 13:37:35
+03'00

Safety Data Sheet

in accordance with REACH Regulation (EC) 1907/2006, amended by Regulation (EU) 2020/878 Revision date: 1.1.2023 Replaces the version dated: 1.5.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form Product name Product code Product type Synonyms Product group : Mixture
: Prista AN 68_100
: I001/01
: Lubricating oils, Use in functional fluids
: Industrial oils
: Mixture

1.2. Identified uses of the substance or mixture that are relevant and uses that are not recommended

1.2.1. Identified uses

Main use category Specific industrial/professional use

: Industrial use
: Use in functional fluids Distribution
Formulation and (re)packaging of substances and mixtures

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Prista Oil Holding EAD 46 Treti Mart Blvd. 7002 Ruse - Bulgaria

T + 359 82 82 69 40

information@prista-oil.bg - <http://www.prista-oil.com/bg>

1.4. Emergency telephone number

Emergency telephone number

Single emergency number: 112

Country	Organization/Company	Address	Emergency telephone number	Comments
Bulgaria	National Toxicology Information Center N.I. Pirogov Multidisciplinary Hospital for Active Treatment and Emergency Medicine	21 Gen. Eduard I. Totleben Blvd. 1606	+359 2 9154 233	

SECTION 2: Description of hazards

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Not classified

Adverse physicochemical effects and adverse effects on human health and the environment

To the best of our knowledge, this product does not present any particular risk provided that general industrial hygiene and safety practices are observed.

2.2. Label elements

Labeling in accordance with Regulation (EC) No. 1272/2008 [CLP]

EUH phrases

: EUH210 - Safety data sheet will be provided upon request.

Other hazards

Other hazards not leading to Classification : None under normal conditions.

PBT: not applicable - no registration required

vPvB: not applicable - no registration required

Does not contain PBT/vPvB substances > 0.1%, assessed in accordance with Annex XIII of the REACH Regulation

Component	
Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)	PBT: not applicable - registration not required vPvB: not applicable - registration not required
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-650)	PBT: not applicable - registration not required vPvB: not applicable - registration not required

The mixture does not contain any substance(s) included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or for which endocrine disrupting properties have not been identified disrupting the endocrine system in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : CLP Calculation method

Name	Product ID	%	Classification according to Regulation (EC) No 1272/2008 [CLP]
Petroleum distillates, hydrotreated heavy paraffinic	CAS No: 64742-54-7 EC No: 265-157-1 REACH No: 01-211948462725-0035; 01-2119484627-25-0025; 01-2119471299-27- 0019	0	Not classified
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic.	CAS No: 64742-65-0 EC No: 265-169-7 REACH No: 01-2119471299-27-0016; 01-2119471299-27-0003	0	Not classified

Comments : Note L : The harmonized classification as carcinogenic applies unless it can be shown that the substance contains less than 3 % dimethyl sulfoxide extract, measured by IP 346 ('Determination of polycyclic aromatic hydrocarbons in unused lubricating base oils and in asphaltene-free petroleum fractions — Refractive index method for the extraction of dimethyl sulfoxide' Petroleum Institute, London), in which case classification and for this hazard class in accordance with Title II of this Regulation. For the full text of the H statements: see Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid - general measures	: If medical assistance is required, bring the product container or label with you. Never give anything by mouth to an unconscious person.
First aid for inhalation	: Remove the person to fresh air and place them in a position that facilitates breathing. Give oxygen or perform artificial respiration if necessary. Seek medical advice/assistance immediately.
First aid for skin contact	: Wash skin with plenty of water. Immediately remove all contaminated clothing. If skin irritation occurs: Seek medical advice/attention.
First aid for eye contact	: Remove contact lenses, if present and easy to do. Continue with rinsing. Rinse thoroughly with water for several minutes. If eye irritation persists: Seek medical advice/attention.
First aid if swallowed	: Immediately call a POISON CENTER/doctor. Rinse mouth with water. Do not induce vomiting/the risk of lung damage outweighs the risk of poisoning.

4.2. Most important acute and delayed symptoms and effects

Symptoms/effects after inhalation	: May cause drowsiness or dizziness. May cause headache, nausea, and respiratory irritation.
Symptoms/effects after skin contact	: Prolonged contact may cause slight irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: May cause mild irritation, redness, itching, and tearing.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Risk of pulmonary edema.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Fire extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard Explosion hazard	: In case of fire and/or explosion, do not breathe smoke. : Heat may cause pressure build-up and rupture of closed containers, spreading the fire and increasing the risk of burns
Hazardous decomposition products in case of fire	: /injuries. : Toxic vapors may be released.

5.3. Advice for firefighters

Fire protection measures Protection during firefighting	: Evacuate the area. Remove all sources of ignition if safe to do so. : Do not attempt to intervene without appropriate protective equipment. Self-contained breathing apparatus. Full body protection.
Other information	: When exposed to high temperatures, it may decompose, releasing toxic gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

General measures : Clean up spilled product as quickly as possible by collecting it with absorbent material.
Remove all possible sources of ignition. Do not use until you have read and understood all safety precautions. Notify the authorities if the product enters the sewer system or public waterways.

6.1.1. For personnel not responsible for emergencies

Protective equipment : Wear recommended personal protective equipment.
Emergency plans : Ventilate the spill/spillage area. Avoid contact with skin and eyes. Avoid inhaling fumes and vapors. Avoid open flames, sparks, and smoking. Only qualified personnel equipped with appropriate protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment : Do not intervene without appropriate protective equipment. For more information, see Section 8: "Exposure controls/personal protection".
Emergency plans : Ventilate the area. Stop the leak. Cover the spilled product with non-combustible material, e.g., sand/soil. Prevent entry into sewers, basements, and excavations, or any place where accumulation may be hazardous. Remove unnecessary personnel.

6.2. Environmental protection measures

Avoid release into the environment.

6.3. Methods and materials for containment and cleaning up

For containment : Collect spillage.
Clean-up methods : Absorb spilled liquid with absorbent material.
Other information : Dispose of materials or solid residues at an authorized disposal site.

6.4. Reference to other sections

For more information, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe operation : Ensure good ventilation in the workplace. Wear personal protective equipment.
Hygiene measures : Do not eat, drink, or smoke when using the product. Always wash your hands after working with the product. Do not take contaminated work clothes outside the work area. Wash contaminated clothes before reuse.

7.2. Conditions for safe storage, including incompatibilities

Technical measures : Comply with applicable regulations. Use only non-sparking tools.
Storage conditions : Store in a well-ventilated place. Keep cool.
Incompatible products : Oxidizing agent. Strong acids. Strong bases.
Incompatible materials : Sources of ignition.

7.3. Specific end use(s)

Product information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure limit values and biological limit values

Prista AN 68_100

EU - Indicative occupational exposure limit values (IOEL)

IOEL TWA	5 mg/m ³
IOEL STEL	10 mg/m

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

EU - Indicative occupational exposure limit values (IOEL)

IOEL TWA	5 mg/m ³
IOEL STEL	10 mg/m

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)

EU - Indicative occupational exposure limits (IOEL)

IOEL TWA	5 mg/m ³
IOEL STEL	10 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air pollutants are formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure control

8.2.1. Appropriate engineering

controls Appropriate engineering

controls:

Ensure good ventilation in the workplace.

8.2.2. Personal protective

equipment Personal protective

equipment:

Gloves. Protective clothing. Safety glasses.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. EN 166. EN 168

8.2.2.2. Skin protection Skin and

body protection:

Wear suitable protective clothing

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Safety data sheet

in accordance with REACH Regulation (EC) 1907/2006, amended by Regulation (EU) 2020/878

Hand protection:

protective gloves: neoprene or PVA gloves. Chemically resistant PVC gloves (in accordance with European standard EN 374 or equivalent). EN 420

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear a suitable breathing apparatus. EN 405

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	: brown.
Odor	
Odor threshold	: characteristic.
Melting point	Not available
Freezing point	Not applicable
Boiling point/boiling range	-9 - -6
Flammability	> 315 °C
Explosive properties	Not applicable
Oxidizing properties	Not applicable
Explosive limits	Not applicable. Not available
Lower explosive limit	Not applicable.
Upper explosive limit	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	215 - 220 °C
pH	> 315 °C
Viscosity, kinematic	Not available
Solubility	Not available
Partition coefficient: n-octanol/water	68 - 100 mm ² /s @40°C
	Soluble in most organic solvents. Insoluble in water. Not available
(Log Kow)	
Vapor pressure	< 10 Pa
Vapor pressure at 50°C	Not available
Density	0.879 - 0.885 @20°C
Relative density	Not available
Relative vapor density at 20°C	> 1
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information relating to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

Prista AN 68_100

Safety Data Sheet

in accordance with REACH Regulation (EC) 1907/2006, amended by Regulation (EU) 2020/878

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions are known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and operating conditions (see section 7). Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, no dangerous decomposition products should be released.

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg body weight (method CEOO 401)
LD50 dermal rabbit	> 2000 mg/kg body weight (OECD 402 method)
LC50 Inhalation - Rat	> 5 mg/l/4h (method OECD 403)

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)

LD50 Oral Rat	> 5000 mg/kg body weight (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg body weight (OECD 402 method)
LC50 Inhalation - Rat	> 5 mg/l/4h (OECD 403 method)

Skin corrosion/irritation : Not classified

Serious eye damage/eye irritation : Not classified

Respiratory sensitisation or : Not classified (Based on available data, the criteria for skin classification are not met)

Germ cell mutagenicity : Not classified (Based on available data, the criteria for classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the criteria for classification are not met)

Prista AN 68_100

IARC Group	3 - Not classifiable
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Reproductive toxicity : Not classified (Based on available data, the criteria for classification are not met)

STOT (specific target organ toxicity): Not classified (Based on available data, the criteria for classification are not met) — single exposure classification)

STOT (specific target organ toxicity): Not classified (Based on available data, the criteria for classification are not met) — repeated exposure classification)

Inhalation hazard : Not classified (Based on available data, the criteria for classification)

Prista AN 68_100

Viscosity, kinematic	68 - 100 mm ² /s @40°C
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11.2. Information on other hazards**11.2.1. Endocrine disrupting properties**

No additional information available

11.2.2. Other

Potential adverse effects on: Based on available data, the criteria for classification are not met. Human health and symptoms

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - general : The product is not considered harmful to aquatic organisms and does not cause long-term adverse effects on the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified Hazardous to the aquatic environment, long-term (chronic) : Not classified

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

LC50 - Fish [1]	> 100 mg/l (OECD method 203)
EC50 - Crustaceans [1]	> 10000 mg/l (OECD 202 method)
EC50 72h - Algae [1]	> 1000 mg/l (OECD 201 method)
NOEL, aquatic invertebrates, chronic	< 1 mg/l (21 days, (OECD 211 method))
NOEL, algae, chronic	> 100 mg/l (72 hours, (OECD 201 method))
NOEL, microorganisms, chronic	> 1.93 mg/l (10 minutes, DIN 38412)
NOEL, daphnia (water flea), chronic	> 10 mg/l (21 days)

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)

LC50 - Fish [1]	> 100 mg/l (OECD 203 method)
EC50 - Crustaceans [1]	> 10,000 mg/l (OECD 202 method)
EC50 72h - Algae [1]	> 1000 mg/l (OECD 201 method)
NOEL, aquatic invertebrates, chronic	< 1 mg/l (21 days, (OECD 211 method))
NOEL, algae, chronic	> 100 mg/l (72 hours, (OECD 201 method))
NOEL, microorganisms, chronic	> 1.93 mg/l (10 minutes, DIN 38412)
NOEL, daphnia (water flea), chronic	> 10 mg/l (21 days)

12.2. Persistence and degradability**Prista AN 68_100**

Persistence and degradability	Not readily biodegradable according to the relevant OECD test, due to the properties of some ingredients.
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Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

Persistence and degradability	Not readily biodegradable according to the relevant OECD test, due to the properties of some ingredients.
Biodegradation	< 32 % (OECD 301B method)

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)	
Persistence and degradability	Not readily biodegradable according to the relevant OECD test due to the properties of some ingredients.
Biodegradation	< 32 % (OECD 301B method)

12.3. Bioaccumulative potential

Prista AN 68_100	
Bioaccumulative potential	Bioaccumulative potential.
Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)	
Distribution coefficient: n-octanol/water (Log Kow)	3.5 - 6 Moderately bioaccumulative
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)	
Distribution coefficient: n-octanol/water (Log Kow)	3.5 - 6 Moderately bioaccumulative

12.4. Soil mobility

No additional information available

12.5. Results of PBT and vPvB assessment

Prista AN 68_100

PBT: not applicable - registration not required vPvB: not applicable - registration not required

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : No other effects are known

SECTION 13: Waste Disposal

13.1. Waste treatment methods

Local legislation (waste)	: Disposal must be carried out in accordance with the regulations of the competent authorities.
Waste treatment methods	: Dispose of the contents/container in accordance with the sorting instructions of the licensed waste disposal service. Empty containers should be recycled, reused, or disposed of in accordance with local regulations.
Recommendations for disposal of the product/package	: Avoid release into the environment.
Code according to the European Waste List (LoW)	: 13 02 05* - non-chlorinated mineral-based engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN list number or identification number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.2. Exact name of the shipment according to the UN list				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packaging group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No additional information available				

14.6. Special precautions for consumers

Land transport

Not regulated

Sea transport

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport of bulk cargoes in accordance with International Maritime Organization instruments

Not applicable

SECTION 15: Regulatory information

15.1. Specific regulations/legislation on safety, health, and the environment for the substance or mixture

15.1.1. EU regulations

Does not contain any substance(s) included in Annex XVII of REACH (Restriction Conditions) Does not contain any substance(s) included in the REACH Candidate List

Does not contain any substance(s) included in Annex XIV of REACH (List of substances subject to authorization)

Does not contain substance(s) included in the PIC list (Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals)

Does not contain any substance(s) included in the POP list (Regulation (EU) 2019/1021 on persistent organic pollutants)

Does not contain any substance(s) included in the list of ozone-depleting substances (Regulation (EC) No 1005/2009 on substances that deplete the ozone layer)

Does not contain any substance(s) included in the list of explosives precursors (Regulation (EU) 2019/1148 on the marketing and use of explosives precursors)

Does not contain any substance(s) included in the list of drug precursors (Regulation (EC) No. 273/2004 on the manufacture and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Safety data sheet

in accordance with REACH Regulation (EC) 1907/2006, amended by Regulation (EU) 2020/878

15.1.2. National regulations

Bulgaria

Bulgarian national legislation: Regulation (EC) 1272/2008 on classification, labeling, and packaging of substances and mixtures.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.

Regulation (EU) No 453/2010 on the requirements for the compilation of safety data sheets.

Regulation (EC) No 2073/2000 on substances that deplete the ozone layer. Regulation (EC)

No 850/2004 on persistent organic pollutants.

Regulation (EC) No 689/2008 on the export and import of dangerous chemicals.

Law on protection from the harmful effects of chemical substances and mixtures. Regulation No. 13 on the protection of workers from risks related to exposure to chemical agents at work.

Regulation on the requirements for the treatment and transport of waste oils and waste petroleum products.

Waste Management Act.

Regulation No. 2 on the classification of waste.

15.2. Safety assessment of the chemical substance or mixture

No chemical safety assessment has been carried out

A chemical safety assessment has been carried out for the following substances in this mixture:

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic.

SECTION 16: Other information

Indication of changes:

Information on regulatory requirements. Physical and chemical properties. Identification of the substance/mixture and of the company/undertaking.

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Evaluation
CLP	Regulation on classification, labeling, and packaging; Regulation (EC) No. 1272/2008
BCF	Bioconcentration factor
DMEL	Derived minimum effective dose/concentration
DNEL	Derived no-effect level
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest dose at which an adverse effect is observed
NOAEC	Concentration at which no adverse effect is observed
NOAEL	No observed adverse effect level

Abbreviations and acronyms:	
NOEC	No observed effect concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, bioaccumulative, and toxic
PNEC	Predicted no-effect concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very persistent and very bioaccumulative

Data sources COUNCIL of 16	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE December 2008 on classification, labeling, and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006.
Training instructions	: Normal use of this product involves use in accordance with the instructions on the packaging.
Other information	: None.

Full text of H- and EUH-statements of hazard:	
EUH210	A safety data sheet will be provided upon request.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to provide a description of the product for health, safety, and environmental purposes only. Therefore, it should not be construed as a guarantee of the product's properties.

Safety Data Sheet

in accordance with REACH Regulation (EC) 1907/2006, amended by Regulation (EU) 2020/878
Revision date: 12/30/2022 Replaces version dated: 5/1/2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Product name	Mixture
Product code	Product type	Prista M10 D
Synonyms		M002/11
Product group		Engine oil
		Engine oils
		Mixture

1.2. Identified uses of the substance or mixture that are relevant and uses that are not recommended

1.2.1. Identified uses

Intended for mass use Main use category

Specific industrial/professional use : Consumer use, Professional use
: Distribution
Formulation and (re)packaging of substances and mixtures Use in closed systems Motor oil
Function or category of use : Lubricating oils and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Prista Oil Holding EAD 46
Treti Mart Blvd. 7002 Ruse -
Bulgaria
T + 359 82 82 69 40
information@prista-oil.bg - <http://www.prista-oil.com/bg>

1.4. Emergency telephone number

Emergency telephone number : Single emergency number: 112

Country	Organization/Company	Address	Emergency telephone number	Comments
Bulgaria	National Toxicology Information Center Multidisciplinary Hospital for Active Treatment and Emergency Medicine "N.I. Pirogov"	21 Gen.	+359	

SECTION 2: Hazard description

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Not classified

Adverse physicochemical effects and adverse effects on human health and the environment

To the best of our knowledge, this product does not present any particular risk provided that general rules of industrial hygiene and safety are observed.

2.2. Label elements

Labeling in accordance with Regulation (EC) No. 1272/2008 [CLP]

Safety recommendations (CLP) : P102 - Keep out of reach of children.
P501 - Dispose of contents and container to a collection point for hazardous or special waste in accordance with local, regional, national, and/or international regulations.

Child-resistant closure mechanism: Not applicable Tactile warning
: Not applicable

2.3. Other hazards

Other hazards that do not lead to : None under normal conditions.

Classification

PBT: not applicable - no registration required

vPvB: not applicable - no registration required

Does not contain PBT/vPvB substances > 0.1%, assessed in accordance with Annex XIII of the REACH Regulation

Component	
Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)	PBT: not applicable - registration not required vPvB: not applicable - registration not required
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-650)	PBT: not applicable - registration not required vPvB: not applicable - registration not required

The mixture does not contain any substance(s) included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or for which endocrine disrupting properties have not been identified disrupting the endocrine system in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : CLP Calculation method

Name	Product identifier	%	Classification according to Regulation (EC) No 1272/2008 [CLP]
Petroleum distillates, hydrotreated heavy paraffinic	CAS No: 64742-54-7 EC No: 265-157-1 REACH No.: 01-211948462725-0035; 01-2119484627-25-0025; 01-2119471299-27- 0019	< 98	Not classified
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic.	CAS No: 64742-65-0 EC No: 265-169-7 REACH No: 01-2119471299-27-0016; 01-2119471299-27-0003	< 5	Asp. Tox. 1, H304
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	CAS No: 85940-28-9 EC No: 288-917-4 REACH No: 01-2119521201 61	<	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Comments

: Note L : The harmonized classification as carcinogenic applies unless it can be shown that the substance contains less than 3 % dimethyl sulfoxide extract, measured by IP 346 ("Determination of polycyclic aromatic hydrocarbons in unused lubricating base oils and in asphaltene-free petroleum fractions - Refractive index method for the extraction of dimethyl sulfoxide" Petroleum Institute, London), in which case classification for this hazard class shall also be carried out in accordance with Part II of this Regulation. For the full text of the H-statements: see Section 16

For the full text of H- and EUH-risk phrases: see Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid - general measures	: Never give anything by mouth to an unconscious person.
First aid after inhalation	: Give oxygen or perform artificial respiration if necessary. Move the person to fresh air and place them in a position that facilitates breathing. Seek medical advice/assistance immediately.
First aid in case of skin contact	: Wash skin with plenty of water. Immediately remove all contaminated clothing. If skin irritation or rash occurs: Seek medical advice/attention.
First aid for eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and if possible. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First aid in case of ingestion	: Immediately call the POISON CONTROL CENTER/a doctor. Rinse mouth with water. Do not induce vomiting/the risk of damage to the lungs exceeds the risk of poisoning.

4.2. Most important acute and delayed symptoms and effects

Symptoms/effects	: Not expected to be a serious hazard under normal conditions of use.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness. May cause headache, nausea, and respiratory irritation.
Symptoms/effects after skin contact	: Prolonged contact may cause slight irritation. Repeated exposure may cause skin dryness or cracking. Symptoms/effects after eye contact
	: Direct contact with the eyes may cause irritation, redness, itching, and tearing.
Symptoms/effects after ingestion	: Ingestion may cause nausea and vomiting. Risk of pulmonary edema.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Firefighting media

Suitable fire extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable fire extinguishing media	: Do not use a strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: In case of fire and/or explosion, do not breathe smoke.
Explosion hazard	: Heat may cause pressure build-up and rupture of closed containers, spreading the fire and increasing the risk of burns
Hazardous decomposition products in case of fire	/injuries. : Toxic vapors may be released.

5.3. Advice for firefighters

Fire protection measures	: Evacuate the area. Remove all ignition sources if safe to do so.
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Firefighting instructions and	: DO NOT attempt to extinguish the fire if the fire approaches explosives. In case of a large fire Significant quantities: Evacuate the area. Extinguish the fire from a distance due to the risk of explosion. Use water spray or water mist to cool exposed containers.
Protection during firefighting	: Do not intervene without suitable protective equipment. Self-contained isolating breathing apparatus. Full body protection.
Other information	: When exposed to high temperatures, it may decompose, releasing toxic gases.

SECTION 6: Emergency release measures

6.1. Personal precautions, protective equipment, and emergency procedures

General measures	: Clean up spilled product as quickly as possible by collecting it with absorbent material. Remove all possible sources of ignition. Do not use until you have read and understood all safety precautions. Notify authorities if product enters sewers or public waterways.
6.1.1. For personnel not responsible for emergencies	
Protective equipment	: Wear recommended personal protective equipment.
Emergency plans	: Ventilate the spill/spillage area. Avoid contact with skin and eyes. Avoid inhaling fumes and vapors. Avoid open flames, sparks, and smoking. Only qualified personnel equipped with appropriate protective equipment may intervene.
6.1.2. For persons responsible for emergencies	
Protective measures	: Do not intervene without appropriate protective equipment. For more information, see Section 8: "Exposure controls/personal protection".
Emergency plans	: Ventilate the area. Stop the leak. Cover the spilled product with non-combustible material, e.g., sand/soil. Prevent entry into sewers, basements, and excavations, or any place where accumulation may be hazardous. Remove unnecessary personnel.

6.2. Environmental protection measures

6.3. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Clean-up methods	: Spilled liquid should be collected with absorbent material.
Other information	: Dispose of materials or solid residues at an authorized disposal site.

6.4. Reference to other sections

For more information, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe operation

Precautions for safe operation	: Ensure good ventilation in the workplace. Avoid contact with skin and eyes. Avoid inhaling smoke and vapors. Wear personal protective equipment.
Hygiene measures	: Do not take contaminated work clothes outside the work area. Wash contaminated clothing before reuse. Do not eat, drink, or smoke when using the product. Always wash your hands after working with the product.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Comply with applicable regulations. Use only non-sparking tools.
Storage conditions	: Store in a well-ventilated place. Keep cool.

Incompatible products : Oxidizing agent.
Incompatible materials : Sources of ignition.

7.3. Specific end use(s)

Product information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure limits and biological limit values

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)	
EU - Indicative occupational exposure limits (IOEL)	
IOEL TWA	5 mg/m ³
IOEL STEL	10 mg/m
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)	
EU - Indicative occupational exposure limits (IOEL)	
IOEL TWA	5 mg/m ³
IOEL STEL	10 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air pollutants are formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure control

8.2.1. Appropriate engineering

controls Appropriate engineering

controls:

Ensure good ventilation in the workplace.

8.2.2. Personal protective

equipment Personal protective

equipment:

Gloves. Protective clothing. Protective eyewear.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. EN 166. EN 168

8.2.2.2. Skin protection Skin

and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves: Neoprene or PVA gloves. Chemically resistant PVC gloves (according to European standard EN 374 or equivalent). EN 420

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear a suitable breathing apparatus. EN 405

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	: brown.
Odor	: characteristic.
Odor threshold	: Not available
Melting point	: Not applicable
Freezing point	: -27 °C
Boiling point/boiling range	: > 315 °C
Flammability	: Not applicable
Explosive properties	: Not applicable
Oxidizing properties	: Not applicable
Explosive limits	: Not applicable.
Lower explosive limit	: Not applicable.
Upper explosive limit	: Not applicable.
Flash point	: Not applicable.
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: 236 °C
Solubility	: > 315 °C
Partition coefficient: n-octanol/water	: Not available
	: Not applicable 11.7 mm ² /s @100°C
	Soluble in most organic solvents. Not available
(Log Kow)	
Vapor pressure	< 10 Pa
Vapor pressure at 50°C	Not available 0.885
Density	g/ml @20°C Not
Relative density	available
Relative vapor density at 20°C	> 1
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information relating to physical hazard classes

No additional information available

9.2.2. Other safety features

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage, and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions are known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and operating conditions (see Section 7). Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, no dangerous decomposition products should be released.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

LD50 oral rat	> 5000 mg/kg body weight (method CEOO 401)
LD50 dermal rabbit	> 2000 mg/kg body weight (OECD 402 method)
LC50 Inhalation - Rat	> 5 mg/l/4h (OECD 403 method)

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)

LD50 Oral - Rat	> 5000 mg/kg body weight (method SEOO 401)
LD50 dermal rabbit	> 2000 mg/kg body weight (method SEOO 402)
LC50 Inhalation - Rat	> 5 mg/l/4h (method OECD 403)

Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)

LD50 Oral Rat	3080 mg/kg (method OECD 401)
LD50 dermal rabbit	> 20000 mg/kg (method SEOO 402)
LC50 Inhalation - Rat	> 2.3 mg/l 4 hours, (OECD 403)

Skin corrosion/irritation : Not classified
pH: Not applicable

Serious eye damage/eye irritation : Not classified (Based on available data, the criteria for eye classification criteria are not met)
pH: Not applicable

Respiratory sensitization or : Not classified skin

Germ cell mutagenicity : This substance does not meet the criteria for classification as a CMR of category 1A or 1B in accordance with CLP

Carcinogenicity : This substance does not meet the criteria for classification as a CMR of category 1A or 1B in accordance with CLP

Reproductive toxicity : This substance does not meet the criteria for classification as a CMR of category 1A or 1B in accordance with CLP

STOT (specific target organ toxicity) classification) — single exposure)

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STOT (specific target organ toxicity):
exposure

Not classified (Based on available data, the criteria for organs are not met) — repeated
classification)

Inhalation hazard

: Not classified

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Viscosity, kinematic	11.7 mm ² /s @100°C
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse effects on: Based on available data, the criteria for classification are not met. Human health and symptoms

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms and does not cause
long-term adverse effects on the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified Hazardous to the aquatic environment, long-term : Not classified
(chronic)

Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)

LC50 - Fish [1]	> 100 mg/l (OECD 203 method)
EC50 - Crustaceans [1]	> 10000 mg/l (OECD 202 method)
EC50 72h - Algae [1]	> 1000 mg/l (OECD 201 method)
NOEL, aquatic invertebrates, chronic	< 1 mg/l (21 days, (OECD 211 method))
NOEL, algae, chronic	> 100 mg/l (72 hours, (OECD 201 method))
NOEL, microorganisms, chronic	> 1.93 mg/l (10 minutes, DIN 38412)
NOEL, daphnia (water flea), chronic	> 10 mg/l (21 days)

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)

LC50 - Fish [1]	> 100 mg/l (OECD 203 method)
EC50 - Crustaceans [1]	> 10000 mg/l (OECD 202 method)
EC50 72h - Algae [1]	> 1000 mg/l (OECD 201 method)
NOEL, aquatic invertebrates, chronic	< 1 mg/l (21 days, (OECD 211 method))
NOEL, algae, chronic	> 100 mg/l (72 hours, (OECD 201 method))
NOEL, microorganisms, chronic	> 1.93 mg/l (10 minutes, DIN 38412)
NOEL, daphnia (water flea), chronic	> 10 mg/l (21 days)

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)

LC50 - Fish [1]	4.5 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustaceans [1]	5.4 mg/l Daphnia magna (Water flea)
EC50 - Other aquatic organisms [1]	> 10,000 mg/l 3 hours
EC50 96h - Algae [1]	2.1 mg/l Selenastrum capricornutum
NOEC chronic crustaceans	0.4 mg/l Daphnia magna (water flea), 21 days
NOEC chronic algae	1 mg/l Selenastrum capricornutum, 96 h

12.2. Sustainability and degradability

Prista M10 D	
Persistence and degradability	Not readily biodegradable according to the relevant OECD test due to the properties of some ingredients.
Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)	
Persistence and degradability	Not readily biodegradable according to the relevant OECD test due to the properties of some ingredients.
Biodegradation	< 32 % (OECD 301B method)
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)	
Persistence and degradability	Not readily biodegradable according to the relevant OECD test due to the properties of some ingredients.
Biodegradation	< 32 % (OECD 301B method)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	
Persistence and degradability	Difficult to biodegrade.
Biodegradation	1.5% 28 days, (OECD 301B)

12.3. Bioaccumulative potential

Prista M10 D	
Bioaccumulative potential	Bioaccumulative potential.
Petroleum distillates, hydrotreated heavy paraffinic (64742-54-7)	
Distribution coefficient: n-octanol/water (Log Kow)	3.5 - 6 Moderately bioaccumulative
Petroleum distillates, selectively purified, dewaxed, heavy paraffinic. (64742-65-0)	
Distribution coefficient: n-octanol/water (Log Kow)	3.5 - 6 Moderately bioaccumulative

12.4. Portability in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Prista M10 D

PBT: not applicable - registration not required vPvB: not applicable - registration not required

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : No other effects known

SECTION 13: Waste disposal

13.1. Waste treatment methods

Local legislation (waste) : Disposal must be carried out in accordance with the regulations of the competent authorities.

Waste treatment methods : Empty containers should be recycled, reused, or disposed of in accordance with local regulations. Dispose of the contents/container in accordance with the sorting instructions of

licensed waste disposal service.

Recommendations for waste water disposal : Disposal must be carried out in accordance with the regulations of the competent authorities.

Recommendations for disposal : Avoid release into the environment.
product/packaging

Code according to the European list of : 13 02 05* - non-chlorinated waste motor, lubricating, and gear oils (LoW) mineral-based

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN list number or identification number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. Exact name of the shipment according to the UN list				
Not regulated	Not adjustable	Not adjustable	Not adjustable	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packaging group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No additional information available				

14.6. Special precautions for consumers

Land transport
Not regulated

Sea transport
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Maritime transport of bulk cargoes in accordance with International Maritime Organization instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU regulations

EU Restrictions List (REACH Annex XVII)

Reference code	Applicable to	Title or description of the entry
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3(b)	Petroleum distillates, selectively purified, dewaxed, heavy paraffinic; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	Substances or mixtures that meet the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1-3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	Substances or mixtures that meet the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Does not contain any substance(s) included in the REACH Candidate List

Does not contain any substance(s) included in Annex XIV of REACH (List of substances subject to authorization)

Does not contain any substance(s) included in the PIC list (Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals)

Does not contain any substance(s) included in the POP list (Regulation (EU) 2019/1021 on persistent organic pollutants)

Does not contain any substance(s) included in the list of substances that deplete the ozone layer (Regulation (EC) No 1005/2009 on substances that deplete the ozone layer)

Does not contain any substance(s) included in the list of explosives precursors (EU Regulation 2019/1148 on the marketing and use of explosives precursors)

Does not contain any substance(s) included in the list of drug precursors (Regulation (EC) No 273/2004 on the manufacture and placing on the market of certain substances used for the illicit manufacture of narcotic drugs or psychotropic substances)

15.1.2. National provisions

Bulgaria

Bulgarian national legislation: Regulation (EC) No. 1272/2008 on classification, labeling, and packaging of

substances and mixtures.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.

Regulation (EU) No 453/2010 on the requirements for the compilation of safety data sheets.

Regulation (EC) No 2073/2000 on substances that deplete the ozone layer. Regulation (EC) No 850/2004 on persistent organic pollutants.

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals.

Law on protection from the harmful effects of chemical substances and mixtures. Regulation No. 13 on the protection of workers from risks related to exposure to chemical agents at work.

Regulation on the requirements for the treatment and transport of waste oils and waste petroleum products.

Waste Management Act.

Regulation No. 2 on the classification of waste.

15.2. Safety assessment of the chemical substance or mixture

No chemical safety assessment has been carried out

A chemical safety assessment has been carried out for the following substances in this mixture:

Petroleum distillates, hydrotreated heavy paraffinic

Petroleum distillates, selectively purified, dewaxed, heavy paraffinic.

SECTION 16: Other information

Indication of changes:

Identification of the substance/mixture and of the company/undertaking. Classification of the substance or mixture. Composition/information on ingredients. Toxicological information. Ecological information. Regulatory information.

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity assessment
BCF	Bioconcentration factor
CLP	Regulation on classification, labeling, and packaging; Regulation (EC) No. 1272/2008
DMEL	Derived minimum effective dose/concentration
DNEL	Derived no-effect level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest dose at which an adverse effect is observed
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	Concentration without observed effects
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, bioaccumulative, and toxic
PNEC	Predicted no-effect concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very persistent and very bioaccumulative

Data sources
COUNCIL of 16

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

December 2008 on classification, labeling, and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006.

Training instructions

: Normal use of this product involves use in accordance with the instructions on the packaging.

Other information

: None.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment - chronic hazard, category 2
Asp. Tox. 1	Inhalation hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.

Full text of H- and EUH-statements of hazard:	
H411	Toxic to aquatic life with long-lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

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