

SAFETY DATA SHEET



51392

XTAR 5W40 505.01

Section 1. Identification

Product identifier : XTAR 5W40 505.01

Product code : 51392

Other means of identification : Product formulated with lubricating bases and high quality additives.

Product type : Liquid.

Recommended use of the chemical and restrictions on use

Specific uses

Motor oil for light vehicles.

Details of the supplier of the safety data sheet

Supplier/Manufacturer, Distributor or Importer : Moeve Commercial, S.A.U.
Paseo de la Castellana 259 A
28046 Madrid - España

Email : tuteladeproducto@moeveglobal.com / productstewardship@moeveglobal.com

Telephone number : +34 913 376 000

Hours of operation : 07:30 - 19:30 (CET)

Emergency telephone number

Supplier/Manufacturer, Distributor or Importer

Telephone number :

+44 1865 407333 (Europe, English)	+44 1235 239670 (Europe, multiple Languages)
+34 91 114 2520 (Spain)	+33 1 72 11 00 03 (France)
+351 30880 4750 (Portugal)	+49 89 220 61012 (Germany)
0800 000 7801 (Germany)	+30 21 1198 3182 (Greece)
+46 8 566 42573 (Sweden)	+47 2103 4452 (Norway)
+45 8988 2286 (Denmark)	+358 9 7479 0199 (Finland)
+39 800 699 792 (Italy)	+48 22 307 3690 (Poland)
+31 10 713 8195 (Netherlands)	+420 228 882 830 (Czechoslovakia)
+90 212 375 5231 (Turkey)	
+1 866 928 0789, +1 215 207 0061	+1 202 464 2554 (United States and Canada)
+52 55 5004 8763 (Mexico)	+55 11 3197 5891 (Brazil)
	+56 2 2582 9336 (Chile)
+44 1235 239671 (Middle East/Africa)	+973 1619 8321 (Middle East/Bahrein)
+27 21 300 2732 (Africa/South Africa)	007 803 011 0293 (Asia East/South East)
+65 3158 1074 (Indonesia)	001 800 120 666 751 (Tailandia)
+63 2 8231 2149 (Philippines)	+60 3 6207 4347 (Malasia)
+86 512 8090 3042 (China and Taiwan)	+886 2 8793 3212 (Taiwan)
+86 532 8388 9090 (China Mainland)	+91 11 6641 1405 (India)
+65 3158 1329 (Pakistan)	+65 3158 1195 (Sri Lanka)
+65 3158 1285 (Korea)	+82 2 3479 8401 (South Korea)
+84 8 4458 2388 (Vietnam)	0120 015 230 (Japan)
+61 2 8014 4558 (Australia)	+64 9 929 1483 (New Zealand)

Hours of operation : 24/7

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Section 2. Hazard identification

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : P103 - Read carefully and follow all instructions.
P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Other hazards which do not result in classification : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Product formulated with lubricating bases and high quality additives.

Ingredient name	%	Identifiers
Distillates (petroleum), hydrotreated heavy paraffinic	≥50 - ≤75	CAS: 64742-54-7 EC: 265-157-1
Distillates (petroleum), hydrotreated heavy paraffinic	≥10 - ≤25	CAS: 64742-54-7 EC: 265-157-1
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	≤10	CAS: 72623-87-1 EC: 276-738-4
C14-16-18 Alkyl phenol	≤3	CAS: 1190625-94-5 EC: 931-468-2
Distillates (petroleum), solvent-dewaxed light paraffinic	≤3	CAS: 64742-56-9 EC: 265-159-2
Distillates (petroleum), solvent-refined light paraffinic	≤3	CAS: 64741-89-5 EC: 265-091-3
Distillates (petroleum), hydrotreated light	≤3	CAS: 64742-47-8 EC: 265-149-8
Distillates (petroleum), hydrotreated heavy paraffinic	≤3	CAS: 64742-54-7 EC: 265-157-1
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤3	CAS: 64742-65-0 EC: 265-169-7
Paraffin oils (petroleum), catalytic dewaxed heavy	≤3	CAS: 64742-70-7

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Section 3. Composition/information on ingredients

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	≤3	EC: 265-174-4 CAS: 93819-94-4 EC: 298-577-9
Distillates (petroleum), hydrotreated heavy paraffinic	≤3	CAS: 64742-54-7 EC: 265-157-1
bis(ditiofosfato) de cinc, bis[O-(6-metilheptilo)] y bis[O(sec-butilo)]	≤1	EC: 298-577-9

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayedPotential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

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Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides
phosphorus oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

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Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction.
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction.
Distillates (petroleum), solvent-dewaxed light paraffinic	ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction.
Distillates (petroleum), solvent-refined light paraffinic	ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction.
Distillates (petroleum), hydrotreated light	ACGIH TLV (United States, 1/2024) [Kerosene] A3. Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapor).
Distillates (petroleum), hydrotreated heavy paraffinic	ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4. TWA 8 hours: 5 mg/m³. Form: Inhalable fraction.
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4.

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Section 8. Exposure controls/personal protection

Paraffin oils (petroleum), catalytic dewaxed heavy	TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4.
Distillates (petroleum), hydrotreated heavy paraffinic	TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction. ACGIH TLV (United States, 1/2024) [Mineral Oil, pure, highly and severely refined] A4.
	TWA 8 hours: 5 mg/m ³ . Form: Inhalable fraction.

Biological exposure indices

No exposure indices known.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Recommended: Goggles, face shield or other full-face protection should be worn if there is a risk of direct exposure to aerosols or splashes or when material is handled hot.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Personnel should wear protective clothing. Chemical-resistant gloves.
- Other skin protection** : The proper footwear and any other necessary cutaneous protection measure should be chosen depending on the task that is carried out and the risks involved. Such measures must be approved by a specialist before proceeding to manipulation. Recommended: Suitable protective footwear.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: In case of insufficient ventilation, wear suitable respiratory equipment.

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Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: ASTM L 3.0
Odor	: Characteristic.
Odor threshold	: Not available.
pH	: Not applicable.
Melting point/freezing point	: -36°C (-32,8°F) [ASTM D 5949]
Initial boiling point and boiling range	: >316°C (>600,8°F)
Flash point	: Open cup: 234°C (453,2°F)
Evaporation rate	: Not available.
Flammability	: May burn with prolonged exposure to flames or high temperatures.
Lower and upper explosion limit/flammability limit	: * Not relevant due to the nature of the product, not providing information characteristic of its hazard.
Vapor pressure	: <0,013 kPa (<0,1 mm Hg)
Relative vapor density	: Not available.
Relative density	: 0,85524
Density	: 0,8551 g/cm ³ [15°C (59°F)]
Solubility(ies)	:

Media	Result
cold water	Not soluble
hot water	Not soluble

Solubility in water	: 0 g/l
Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: * Not relevant due to the nature of the product, not providing information characteristic of its hazard.
Decomposition temperature	: Not available.
Viscosity	: Dynamic (room temperature): Not available. Kinematic (room temperature): 14,25 mm ² /s (14,25 cSt) Kinematic (40°C (104°F)): 77,09 mm ² /s (77,09 cSt)

Particle characteristics

Median particle size	: Not applicable.
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Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.

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Section 10. Stability and reactivity

Incompatible materials : No specific data.**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient nameLubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Result****Rat - Oral - LD50**

>5000 mg/kg

Rat - Dermal - LD50

>2000 mg/kg

Rat - Inhalation - LC50 Dusts and mists

5,53 mg/l [4 hours]

Rabbit - Dermal - LD50

>5000 mg/kg

Rat - Oral - LD50

>5000 mg/kg

Rabbit - Dermal - LD50

>5000 mg/kg

Rat - Oral - LD50

>5000 mg/kg

Rat - Inhalation - LC50 Dusts and mists

>5 mg/l [4 hours]

Rat - Oral - LD50

>5000 mg/kg

Rabbit - Dermal - LD50

>5000 mg/kg

Rat - Inhalation - LC50 Dusts and mists

5 mg/l [4 hours]

Distillates (petroleum), solvent-dewaxed light
paraffinicDistillates (petroleum), solvent-dewaxed
heavy paraffinicDistillates (petroleum), hydrotreated heavy
paraffinic**Conclusion/Summary [Product]** : Based on available data, the classification criteria are not met.**Ingredient name**Lubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**

Not classified.

Skin corrosion/irritation

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.**Ingredient name**Lubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**Repeated or prolonged contact with irritants may cause
dermatitis.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.

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Section 11. Toxicological information

Ingredient nameLubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**

Vapor is strongly irritating to the eyes and respiratory system.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product]

: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization

Not available.

Skin**Conclusion/Summary [Product]**

: Based on available data, the classification criteria are not met.

Ingredient nameLubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**

Not sensitizing

Respiratory**Conclusion/Summary [Product]**

: Based on available data, the classification criteria are not met.

Ingredient nameLubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**

Not sensitizing

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product]

: Based on available data, the classification criteria are not met.

Ingredient nameLubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**

Not classified.

Carcinogenicity

Not available.

Conclusion/Summary [Product]

: The lubricant base contains less than 3% of PCA's (DMSO extract as measured by IP 346).

Ingredient nameDistillates (petroleum), hydrotreated heavy
paraffinic
Distillates (petroleum), hydrotreated heavy
paraffinic
Lubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**MI (mutagenicity index) less than 0.4 are not classified as
carcinogenic according to CLP regulations (EC) 1272/2008
MI (mutagenicity index) less than 0.4 are not classified as
carcinogenic according to CLP regulations (EC) 1272/2008
Not classified.**Reproductive toxicity**

Not available.

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Section 11. Toxicological information

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.**Ingredient name**Lubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based**Conclusion/Summary**

No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard**Product/ingredient name****Result**Distillates (petroleum), hydrotreated heavy
paraffinic

ASPIRATION HAZARD - Category 1

Lubricating oils (petroleum), C20-50,
hydrotreated neutral oil-based

ASPIRATION HAZARD - Category 1

Distillates (petroleum), solvent-dewaxed light
paraffinic

ASPIRATION HAZARD - Category 1

Distillates (petroleum), solvent-refined light
paraffinic

ASPIRATION HAZARD - Category 1

Distillates (petroleum), hydrotreated light

ASPIRATION HAZARD - Category 1

Distillates (petroleum), hydrotreated heavy
paraffinic

ASPIRATION HAZARD - Category 1

Distillates (petroleum), solvent-dewaxed
heavy paraffinic

ASPIRATION HAZARD - Category 1

Paraffin oils (petroleum), catalytic dewaxed
heavy

ASPIRATION HAZARD - Category 1

Distillates (petroleum), hydrotreated heavy
paraffinic

ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects**Eye contact**

: No known significant effects or critical hazards.

Inhalation

: No known significant effects or critical hazards.

Skin contact

: No known significant effects or critical hazards.

Ingestion

: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics**Eye contact**

: No specific data.

Inhalation

: No specific data.

Skin contact

: No specific data.

Ingestion

: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

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Section 11. Toxicological information

Short term exposure**Potential immediate effects** : Not available.**Potential delayed effects** : Not available.**Long term exposure****Potential immediate effects** : Not available.**Potential delayed effects** : Not available.**Potential chronic health effects**

Not available.

Conclusion/Summary [Product] : Based on available data, the classification criteria are not met.**Ingredient name**

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Conclusion/Summary

Not classified.

General : No known significant effects or critical hazards.**Carcinogenicity** : No known significant effects or critical hazards.**Mutagenicity** : No known significant effects or critical hazards.**Reproductive toxicity** : No known significant effects or critical hazards.**Numerical measures of toxicity****Acute toxicity estimates**

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	N/A	2500	N/A	N/A	5,53

Section 12. Ecological information

Toxicity**Product/ingredient name**

Distillates (petroleum), hydrotreated light

Distillates (petroleum), solvent-dewaxed heavy paraffinic

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

Result**Acute - LC50 - Fresh water**Fish - Bluegill - *Lepomis macrochirus*

Size: 35 to 75 mm

2200 µg/l [4 days]

Effect: Mortality

Chronic - NOEL - Marine water

Daphnia - Trout

10 mg/l [21 days]

Acute - LC50

OECD TG 203

Fish

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Section 12. Ecological information

4,5 mg/l [96 hours]

Acute - EC50

OECD TG202

Daphnia

5,4 mg/l [48 hours]

Acute - EC50

OECD TG201

Algae

2,1 mg/l [96 hours]

Conclusion/Summary [Product] : Not available.**Persistence and degradability****Product/ingredient name****Result**

zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]

1,5% [28 days]

bis(dithiophosphate)

bis(ditiofosfato) de cinc, bis[O-(6-metilheptilo)]

1,5% [28 days] - Not readily

y bis[O(sec-butilo)]

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated heavy paraffinic	-	-	Inherent
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	-	-	Not readily
bis(ditiofosfato) de cinc, bis[O-(6-metilheptilo)] y bis[O(sec-butilo)]	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Distillates (petroleum), hydrotreated heavy paraffinic	>7	-	High
zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	0.59 to 1.2	-	Low

Mobility in soil**Soil/Water partition coefficient** : Not available.**Other adverse effects**

No known significant effects or critical hazards.

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Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	UN	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

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Section 15. Regulatory information

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Eurasian Economic Union	: Russian Federation inventory : Not determined.
Japan	: Japan inventory (CSCL) : Not determined. Japan inventory (ISHL) : Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

Section 16. Other information

History

Date of printing	: 17/09/2025
Date of issue/Date of revision	: 17/09/2025
Date of previous issue	: 08/07/2025
Version	: 4

Key to abbreviations

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Procedure used to derive the classification

Not classified.

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.