



MATERIAL SAFETY DATA SHEET

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Last update: October 2025

ID 131895C6DS

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name:	ISO 100
Use description:	Lubricant oil for air compressors – professional use only
Distributed by:	BB Technical Service S.R.L. – Via Torino, 5 – 20814 Varedo (MB) – Italy Tel. (+39) 0362576038
Technical information:	MSDS Office - Contact: sds@bbtechnicalservice.it

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP) and subsequent amendments.

Additional information about the dangers EUH208: Contains: Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction.

Other hazards This mixture does not meet the criteria for classification as PBT or vPvB according to Annex XIII of Regulation (EC) n. 1907/2006.
The mixture has no endocrine-disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance composition: n.a.

Mixture Composition: Mixture of synthetic base oils with the addition of multi-function technology additive.
The DMSO extract value of used mineral base oils is less than 3% (determined through the IP 346 method). They are therefore classified as not carcinogenic according to note L (Regulation (EC) n. 1272/2008)

Main components:

Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated

CAS. 101316-72-7	98,85%	Not classified
EC. 309-877-7		Note L
INDEX. 649-530-00-X		
REACH Reg. no. 01-2119489969-06		

Hazardous classified components:

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)

CAS. -	$0.09 \leq x < 0.1$	Acute Tox. 4; H302
EC. -		Skin Sens. 1; H317
INDEX. -		Eye Dam. 1; H318
Reg. no. 01-2119493620-38		Aquatic Chronic 2; H411
		Note 1

(Z)-N-9-octadecenylpropane-1,3-diamine

CAS. 7173-62-8	$0.01 < x \leq 0.03$	Acute Tox. 4; H302
EC. 230-528-9		Skin Corr 1B; H314
INDEX. -		Eye Dam. 1; H318
Reg. no. -		STOT RE 1; H372
		Aquatic Acute 1; H400
		Aquatic Chronic 1; H410
		Note 2



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C16-18-(even numbered, saturated and unsaturated)-alkylamines

CAS. 1213789-63-9	0.0025 < x ≤ 0.1	Eye Dam. 1; H318
EC. 627-034-4		Aquatic Acute 1; H400
INDEX. -		Aquatic Chronic 1; H410
Reg. no. 01-2119473797-19		Asp. Tox. 1; H304
		Skin Corr. 1B; H314
		STOT RE 2; H373
		STOT SE 3; H335
		Acute Tox. 4; H302
		Note 3

Note1: Specific concentration limits: Eye Dam. 1; H318: 50 % < C ≤ 100 %, Skin Sens 1; H317 C>9,39

Note 2: M Factor acute = 10; chronic = 1

Note 3: M Factor acute = 10; chronic = 10

The mixture does not contain other dangerous substances in concentrations that would require mention.

The full text of risk phrases and the Notes is specified in section 16.

4. FIRST AID MEASURES

Description of first aid measures	<p>INHALATION: If exposed to high concentration of vapours and mists, take the person away from the contaminated area to a well ventilated area. If breathing is difficult, give oxygen if possible, or assisted ventilation (no mouth-to-mouth ventilation). Consult a doctor if necessary</p> <p>INGESTION: Do not cause vomit in order to avoid aspiration of the substance through the respiratory tract. Immediately transfer the casualty to the emergency department.</p> <p>SKIN CONTACT: Take off immediately all contaminated clothing and wash with plenty of soap and water. General warning: During accidents with pipes under pressure and similar, any substance can accidentally be injected into tissues under the skin, even without apparent surface damage. In that case, the injured person must be taken to hospital immediately for suitable care. Do not wait for symptoms to develop. The injury due to high pressure jets require prompt surgical intervention and possibly steroid therapy, to minimize tissue damage and loss of function.</p> <p>EYE CONTACT: Rinse immediately with plenty of water for a few minutes holding open eyelid. Consult a doctor in case of persistent pain and redness.</p>
Rescuer protection	Information not available
Most important symptoms and effects, both acute and delayed	<p><i>Based on current knowledge, the product does not present acute toxicity. It does not present any risks under normal conditions of use.</i></p> <p><i>Dry skin, skin irritation, or eye irritation may occur in case of repeated or prolonged exposure. See section 11.</i></p>
Indication of any immediate medical attention and special treatment needed	<p>Get medical attention after eye contact, for persistent skin irritation and after ingestion.</p> <p>If breathing is difficult get immediate medical attention. Induce vomiting only as directed by physician.</p>

5. FIREFIGHTING MEASURES

Extinguishing media	Use extinguishing devices for class B fires: carbon dioxide (CO ₂), foam, sand, earth, dry chemical powder, and water spray, unless otherwise stated.
Unsuitable extinguishing media	Avoid using water jets. Only use water jets to cool surfaces of containers exposed to fire.
	NOTE: Cool with water the containers not involved in the fire but exposed to heat, to avoid explosions and the propagation of the fire.



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Special hazards arising from the substance or mixture

The use in pressurized equipment can lead to the formation of aerosols that may catch fire, under suitable conditions of initiation.

Avoid breathing combustion fumes because a fire produces hazardous combustion products such as metal oxides, sulfur, and nitrogen and other derivatives potentially dangerous, such as carbon oxides (COx) and unburned hydrocarbons.

Combustion will produce heavy smoke.

Special protective equipment for firefighters

Cool containers with jets of water to prevent decomposition of the product and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect contaminated water used to extinguish the fire separately. Do not discharge it into the sewage system. Dispose of contaminated water used for extinguishing and fire residue according to applicable regulations. If feasible from a safety standpoint, move undamaged containers from the immediate danger area.

EQUIPMENT:

Wear full fire resistant self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. The equipment must comply to the standard EN and used in conditions of maximum protection on the basis of the information given in the previous sub-sections.

6. ACCIDENTAL RELEASE MEASURES

For non-emergency personnel

Remove unnecessary staff
Stop the leak if there is no danger. Ventilate area.
Prevent formation of aerosols and vapors from pressurized equipment. Eliminate sources of ignition.
Avoid contact with skin, eyes by wearing appropriate protective clothing.

Respiratory protection: in the event of exposure to oil mists in relatively high concentration, use masks with specific filter for organic vapors and aerosols (UNI EN 140 and 141).

Eye protection: Wear safety goggles (UNI EN 166).

Skin protection: Use rubber gloves or PVC (UNI EN 374). Wear suitable protective clothing (UNI EN 14605:2009). Use barrier creams if protective gloves are not appropriate.

For emergency responders

Remove unnecessary staff
Keep non-involved personnel away from the area of spillage. Block the leakage if safe to do. Ventilate area. Prevent formation of aerosols and vapors from pressurized equipment.
Eliminate sources of ignition.
Avoid contact with skin, eyes by wearing appropriate protective clothing.
Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity.
Leaks of the substance on the floor may cause risk of slipping.

Respiratory protection: in the event of exposure to oil mists in relatively high concentration, use masks with specific filter for organic vapors and aerosols (UNI EN 140 and 141).

Eye protection: Wear safety goggles (UNI EN 166).

Skin protection: Use rubber gloves or PVC (UNI EN 374). Wear suitable protective clothing (UNI EN 14605:2009). Use barrier creams if protective gloves are not appropriate.

Environmental precautions

Avoid the product being dispersed or flowing into the ground, the sewers and surface waters. If necessary inform competent local authorities.
Allow to enter into soil / subsoil. Prevent spillage into surface water or drains. Retain and dispose of contaminated wash water.
In case of gas escape or of entry into waterways, soil or drains, inform the competent authorities.
Suitable material for taking up: absorbing material, organic, and sand.

Methods and material for containment and cleaning up

Collect the leaked product and place in suitable container. Assess the compatibility of the container to be used with the product, checking in sections 7 and 10. Absorb the remainder with inert absorbent material (sand). Ensure adequate ventilation of the area affected by the spill. Stop the product from



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entering the drainage system. If the product has flowed into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities. Dispose of it according to the legislation in force.

Reference to other sections

See also sections 8 (personal protective equipment), 12 (ecology) and 13 (disposal).

7. HANDLING AND STORAGE

Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment.
Use of personal protective equipment must be consistent with good occupational hygiene practices. Avoid direct contact with skin, eyes and clothing. Avoid breathing aerosols or vapours of product. Assuring a correct ventilation of the working place, especially if this latter is restricted.
Do not reuse contaminated clothing.
Do not eat, drink or smoke while handling.
Remove any contaminated clothes and personal protective equipment before entering places in which people eat.
Do not smoke or use flames; avoid contact with sparks or possible sources of ignition.

Storage precautions

The product is stable under normal conditions of use and storage.
Keep the product in its original containers, stored in an environment and under conditions that assure control and containment of leakage. Keep containers tightly closed.
Keep containers away from any incompatible materials, see section 10 for details.
Store in a cool place, far from heat sources or of possible ignition source and from direct exposure to sunrays.
Assure adequate ventilation of premises. Avoid accumulating electrostatic charges.

Specific use

Lubricant for air compressors – Professional use only

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Valori limite di esposizione (componenti della miscela - ACGIH 2014):

Components - Distillates (petroleum), hydrotreated heavy paraffinic

- TLV TWA: 5 mg/m³ (oil mist, mineral)

- TLV STEL: not available

Monitoring procedures: Refer to Directive 89/391/EEC.

Respiratory Protection

Not necessary under normal conditions of use.

Avoid inhalation of aerosols and vapors; respiratory protection: in the event of exposure to oil mists in relatively high concentrations, use masks with specific filters for organic vapors and dust/mists (UNI EN 140 and 141).

Eye/ Face protection

Wear safety goggles with side shields when contact with the product is possible (UNI EN 166).

If there is a risk of exposure to splashes or spray in connection with the work being performed, provide adequate mucous membrane protection (mouth, nose, eyes) to prevent inadvertent absorption

Skin protection

Use rubber or synthetic gloves that are resistant to mineral oils or solvents (UNI EN 374).
The choice of protective gloves also depends on the conditions of use and must take into account the manufacturer's instructions.
Gloves must be replaced at the first signs of wear. Wear gloves after thoroughly cleaning your hands.
The use of a barrier cream may be useful.
Wear work overalls and an apron made of suitable material; immediately change contaminated clothing and wash it thoroughly before reuse (UNI EN 465, 466, 467).

Thermal hazards

May cause burns in case of contact with the product at high temperature.



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Environmental Exposure

Take all the technical precautions necessary to prevent the spread of the product into the surrounding.

Emissions from production processes, including those from local exhaust ventilation equipment should be checked for compliance with the regulations of environmental protection.

Operate only in an appropriate area, provided with containment systems and means for the emergency intervention (see point 6). Refer to local regulations for pollution of air, soil and water. Refer to current legislation on air, soil, and water pollution (Legislative Decree 03/04/2006, no. 152 and subsequent amendments).

Pictogram: DPI



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid at 20°C
Colour	ASTM D 1500: L 2,5
Odour	Typical
Melting point / freezing point	-18 ASTM D 97
Initial boiling point	Not available
Flammability	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Flash point	200 ASTM D 92
Autoignition temperature	Not available
Decomposition temperature	Not available
pH	Not available
Kinematic viscosity	101.5 cS @ 40°C and 11.35 cS @ 100°C (ASTM D 445)
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Vapor pressure	Not available
Density and/or relative density	0.886 kg/l @ 15°C e 0.883 kg/l @ 20°C (ASTM D 4052)
Relative vapor density	Not available
Particle characteristic	Not applicable

Other information

Information on physical hazard classes: The mixture is not hazardous for the physical hazard classes.

Other safety characteristics: Pour point ASTM D 97: -18°C - Viscosity index ASTM D 2270: 98

10. STABILITY AND REACTIVITY

Reactivity	The product is stable under normal conditions and presents no additional reactivity hazards compared to those reported in subsequent subtitles.
Chemical stability	The product is stable under the recommended storage conditions.
Possible hazardous reactions	None
Conditions to avoid	Avoid use at extreme temperatures.



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Incompatible materials

Avoid contact with strong acids and bases, and oxidizing agents.

Hazardous decomposition products

On thermal decomposition vapors and fumes, flammable, acres and dangerous to health may be released. See also section 5.

11. TOXICOLOGICAL INFORMATION

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

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product were evaluated based on the properties of the substances contained, according to the criteria established by the relevant regulations for the classification.

Studies on the individual components have not shown consistent evidence of toxicity at the concentrations present in the mixture, therefore no classification under hazardous substance regulations is assigned.

General warning

High-pressure injection of the product into the skin may lead to local necrosis if the product is not surgically removed.

ACUTE TOXICITY

DL50 orl mixture: n.a.

DL50 cut. mixture: n.a.

CHL50 ihl. mixture: n.a.

Acute toxicity data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Species	Exposure routes	Dose	Reference
rat <i>Sprague-Dawley</i>	oral	DL ₅₀ >5000 mg/kg bw	Registration dossier OEC 401/420
rat <i>Sprague-Dawley</i>	inhalation	CL ₅₀ = 5.53 mg/L air	Registration dossier OECD 403
rabbit <i>New Zeland White</i>	dermal	DL ₅₀ >2000 mg/kg bw	Registration dossier OECD 402

Based on the information available, the classification criteria for this endpoint are not met.

Skin corrosion/irritation

Irritation data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Species	Route of administration	Effect	Source
Rabbit (<i>New Zealand White</i>)	Dermic	not irritating	Registration Dossier

Frequent and prolonged contacts may degrease and irritate the skin, also causing dermatitis by removal of the hydrolipidic layer and produce skin dryness.

Based on the information available, the classification criteria for this endpoint are not met.

Serious eye damage/eye irritation

Irritation data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Species	Route of administration	Effect	Source
Rabbit (<i>New Zealand White</i>)	Dermic	not irritating	Registration Dossier OECD 405

Based on the information available, the classification criteria for this endpoint are not met.



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Respiratory or skin sensitisation

Sensitisation data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Strain	Route of administration	Effect	Source
Guinea pig (<i>Hartley</i>)	maximisation test/ intradermic and epicutaneous	not sensitising	Registration Dossier OECD 406

No cases of skin sensitization resulting from the use of the product have been reported to date. Based on the information available, the classification criteria for this endpoint are not met.

Germ cells mutagenicity

Mutagenicity data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Species	Effect	Source
Chinese hamster Ovary cells	Negative	Registration Dossier OECD 473
<i>S. typhimurium</i> TA 98	Negative	Registration Dossier OECD 473

Based on the information available, the classification criteria for this endpoint are not met.

Carcinogenicity

Carcinogenicity data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Species	Effect	Source
Mouse female (<i>CF1</i>)	Negative	Registration Dossier OECD 451

Based on the information available, the classification criteria for this endpoint are not met.

Reproductive toxicity

Reproductive toxicity data listed in the registration dossier of the main component of the mixture (Lubricatingoils(petroleum),C24-50,solvent-extd.,dewaxed, hydrogenated):

Species	Effect	Source
Rat <i>CDBr Sprague-Dawley</i>	No effect on reproduction and development	Registration Dossier OECD 421
Rat <i>Sprague-Dawley</i>	No effect on reproduction and development	Registration Dossier OECD 414

Based on the information available, the classification criteria for this endpoint are not met.

STOT - SINGLE EXPOSURE

Prolonged exposure to vapours or mists of product may cause irritation of the breathing apparatus.

In case of product nebulization, irritation of the respiratory tract may occur. In case of overexposure to fumes and mists of the product headache, nausea, irritation of the eyes and respiratory tract, may occur.

If swallowed, the product may irritate the digestive apparatus causing vomit, nausea and diarrhoea. If vomiting occurs, the product may enter into the respiratory tract and can cause serious damage to the respiratory system; therefore, if swallowed, do not induce vomiting but seek immediate emergency.



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STOT - REPEATED EXPOSURE

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Repeated toxicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated):

Strain	Route of administration	Effect	Source
Rabbit (New Zealand White)	Dermic	1000 mg/kg bw/day (male) 1000 mg/kg bw/day (female)	Registration Dossier OECD 410
Rabbit (New Zealand White)	Dermic	≥ 2000 mg/kg bw/day	Registration Dossier OECD 411

No significant repeated toxicity data are available for this product's components.

ASPIRATION HAZARD

No information available

INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties: The mixture does not contain components with known properties of interference with the endocrine system.

Other information: No further information available

12. ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering.

Do not allow to enter soil or waterways. Notify the competent authorities if product has entered water course or sewers or contaminate soil or vegetation. Take measures to minimize the effects on ground water.

Toxicity

Toxicity data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated):

Endpoint	Result	Reference
Acute toxicity to fish (<i>Pimephales promelas</i>)	LL50 ≥ 100 mg/L 96 h	Registration Dossier (OECD 203)
Acute toxicity to aquatic invertebrates (<i>Daphnia magna</i>)	EL50 > 10000 mg/L 48h	Registration Dossier (OECD 202)
Acute toxicity to algae (<i>Raphidocelis subcapitata</i>)	EL50 ≥ 100 mg/L/ 72h	Registration Dossier (OECD 201)
Toxicity to microorganism	NOEL > 1.93 mg/L	Registration Dossier

Toxicity data listed in the registration dossier of the component of the mixture ((Z)-N-9-octadecenylpropane-1,3-diamine):

Endpoint	Result	Reference
Acute toxicity to fish (<i>Brachydanio rerio</i>)	LC50 > 0,1 - 1 mg/L 4d	Supplier's SDS
Acute toxicity to aquatic invertebrates (<i>Daphnia magna</i>)	EC50 > 0.01 - 0.1 mg/L NOEC > 0.001 - 0.01 21d	Supplier's SDS
Acute toxicity to algae	EL50 > 0.01 - 0.1 mg/L 72h	Supplier's SDS

Based on the available data, the classification criteria are not met for this endpoint.

Persistence and degradability

Data listed in the registration dossier of the main component of the mixture (Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated):

Endpoint	Result	Reference
Ready biodegradability in water	Inherently biodegradable	Test OECD 301 F Registration dossier

The final product is considered to be poorly biodegradable, particularly in soil.

Bioaccumulative potential

It can occur in aquatic sediments and in the sludge of biological treatment plants.

Mobility in soil

Product floats on water.

Product is absorbed from the soil surface.

The product is carried by surface water, while it is absorbed and retained by the soil.



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Results of PBT and vPvB assessment

This mixture does not meet the criteria for classification as PBT or vPvB according to Annex XIII of Regulation (EC) n. 1907/2006.

Endocrine disruptive properties

The mixture does not contain components with known properties of interference with the endocrine system

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

UN NUMBER or ID NUMBER

Not applicable

UN PROPER SHIPPING NAME

Not applicable

TRANSPORT HAZARD CLASS

Not applicable

PACKING GROUP

Not applicable

ENVIRONMENTAL HAZARDS

Not applicable

SPECIAL PRECAUTIONS FOR USER

Not applicable

Maritime transport in bulk according to IMO instruments

Information not relevant

15. REGULATORY INFORMATION

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

Restrictions on the use under Title VII of the REACH Regulation (EC Regulation 1907/2006 and s.a.

mixture not subjected

Authorization under REACH (Regulation EC 1907/2006 and subsequent amendments):

mixture not subjected
SVHC list: not applicable



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Seveso Category (Dir. 2012/18/UE e D.Lgs 105/2015 and s.a.a.)

mixture not subjected

Chemical Agents Directive (Dir.98/24/CE)

hazardous chemical

Carcinogens, mutagens and/or reprotoxic substances Directive 2004/37/EC and s.a.a

not carcinogenic/mutagenic mixture

Note

No data available

Chemical safety assessment

A Chemical Safety Assessment has not been carried out for this mixture as such. Information on the safe handling of the product is contained in the relevant sections of this safety data sheet.

16. OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

H302: Harmful if swallowed

H304: May be fatal if swallowed and enters airways

H314: Causes severe skin burns and eye damage

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H335: May cause respiratory irritation;

H372: Causes damage to organs through prolonged or repeated exposure

H373: May cause damage to organs through prolonged or repeated exposure

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

H411: Toxic to aquatic life with long lasting effects

EUH208: Contains: Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction.

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Guidelines for the formation: Adequately train workers that will potentially be exposed to these substances, based on the contents of this safety data sheet.

Bibliography: EINECS

LEGEND:

ACGIH = American Conference of Governmental Industrial Hygienists

CSR = Chemical Safety Report

DNEL = Derived No effect Level

DMEL = Derived Minimal Effect Level

EC50 = Half maximal effective concentration

IC50 = Half maximal inhibitory concentration

Klimisch = Scoring system for categorizing reliability, relevance and adequacy of the method used

LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

PNEC = Predicted No Effect Concentration

PBT = Persistent, Bioaccumulative and Toxic substance

CNS = Central Nervous System

STOT = Specific Target Organ Toxicity

(STOT) RE = Repeated Exposure

(STOT) SE = Single Exposure

TLV®TWA = Threshold Limit Values – Time-Weighted Average

TLV®STEL = Threshold Limit Values – Short Term Exposure Limit

UVCB = Unknown or Variable composition, Complex reaction products or Biological materials

vPvB = very Persistent and very Bioaccumulative



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Quality Management System
UNI EN ISO 9001-2015
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MATERIAL SAFETY DATA SHEET

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ID 131895C6DS

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

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