

Safety Data Sheet

according to Regulation (EU) 2015/830 Date of issue: 17/3/2016 Revision date: 17/3/2016

Supersedes:

Version: 1.0

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SECTION 3: Composition/information on ingredients	NU AUUIIIONAI INFORMATION AVAIIADIE	
	SECTION 3: Composition/informa	ation on ingredients
	3.1. Substance	

Not applicable

Mixture 3.2.

Safety Data Sheet

according to Regulation (EU) 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
White mineral oil, petroleum	(CAS No) 8042-47-5 (EC no) 232-455-8 (REACH-no) not available	82.6	Not classified
Zinc alkyl dithiophosphate	(CAS No) 68649-42-3 (EC no) 272-028-3 (REACH-no) Not available	0,78 - 1,6	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

1.1 Description of first aid measures Tirst-aid measures after inhialation : Remove vicini to first aid measures after inhialation : Take of timmediately ail contaminated clothing. Wash of immediately with scap and pleny or water. If skin initiation occurs: Get medical advice/attention. : Take of timmediately and plentify with water, also under the eyelids, for at least 20 minutes. Remove contact lenses. If present and easy to do. Continue mising. : Take of timmediately and plentify with water, also under the eyelids, for at least 20 minutes. Remove contact lenses. If present and easy to do. Continue mising. : A Most important symptoms and effects. both acute and delayed : Ymptoms/injuries after skin contact : Injection under the skin of prespurzed hydrocarbons can cause severe, permanent lissue damage. May cause inflation. : Symptoms/injuries after ryee contact : May result in aspiration into the lungs, causing chemical pneumonia. : Statistication of any immediate medical attention and special treatment needed to additional information available ECTION 5: Firefighting media : carbon dioxide (CO2), water, dry chemical powder. : Special hazards arising from the subsace or mixture : None known. : atardous decomposition products in asperi : Ware proper protective equipment. : regresponder : Ware proper protective equipment. : regresponder : Ware proper protective equipment.	ECTION 4: First aid measures	
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No additional information available SECTION 5: Firefighting media Suitable extinguishing media Suitable extinguishing media Isolitable extinguishing media Suitable extinguishing media Isolitable extinguishing media Special hazards arising from the substance or mixture The hazard None known. Explosion hazard None known. Hazardous decomposition products in case of Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Aldehydes. Sulfur oxides. Advice for firefighters Cool down the containers exposed to heat with a water spray. Protective equipment for firefighters Cool down the containers exposed to heat with a water spray. Protective equipment for firefighters Vear proper protective equipment. In case of fire: Wear self-contained breathing apparatus. SECTION 6: Accidental release measures Evacuate area. Avoid contact with skin, eyes and clothes. Advice for inferighters Vear personal protective clothing. In case of fire: Wear self-contained breathing apparatus. Structive equipment Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus. Advice for emergency responders Evacuate and limit access. Stop leak if safe to do so. Use ventilation/water spray/fog to diseres vapours.	3. Indication of any immediate media	cal attention and special treatment needed
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	or containment	
.4. Reference to other sections	ethods for cleaning up	: Collect all waste in suitable and labelled containers and dispose according to local legislation

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handling this product may result in electrostatic accumulation. Use proper grounding procedures.
Precautions for safe handling	: Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Avoid static electricity discharges. Provide earthing of containers, equipment, pumps and ventilation facilities.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothes. Wash contaminated clothing prior to re-use.
7.2. Conditions for safe storage, including	ng any incompatibilities
Storage conditions	: Store in a dry, cool and well-ventilated place.
Special rules on packaging	: Keep only in original container.
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required.
Personal protective equipment	: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.
Materials for protective clothing	: Wear suitable protective clothing. Natural fibres (e.g. cotton)
Hand protection	: Wear suitable gloves tested to EN374. Thickness of glove material: > 0.13 mm. Break through time: ≥ 480 min
Eye protection	: Use splash goggles when eye contact due to splashing is possible. DIN EN 166
Respiratory protection	 In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN140 with Type A/P2 filter or better



SECTION 9: Physical and chemica	
9.1. Information on basic physical and	• •
Physical state	: Liquid
Colour	: Brown.
Odour	: Characteristics.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 230 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.835 g/mL @ 15°C
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 14 mm²/s @ 100°C
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive. However, formation of explosive air/vapour mixtures are possible.

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Oxidising properties	: not oxidizing.
Explosive limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Stable under normal conditions.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
None known under normal conditions of use. No p	olymerization.
10.4. Conditions to avoid	
Keep away from heat/sparks/open flames/hot surf	aces No smoking.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition products	
No hazardous decomposition products known at r	oom temperature.
SECTION 11: Toxicological information	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
ENOC PROTEC 4T SUPER PLUS SM 10W-50	
Viscosity, kinematic	14 mm²/s @ 100°C
SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Regional legislation (waste)	: Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.
Waste treatment methods	: Can be incinerated according to local regulations.
Waste disposal recommendations	: Dispose of this material and its container to hazardous or special waste collection point.
European List of Waste (LoW) code	: 13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils

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according to Regulation (EU) 2015/830	
SECTION 14: Transport information	n
In accordance with ADR / RID / IMDG / IATA /	
14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
	· · · · · • • • • • • • • • • • • • • •
14.2. UN proper shipping name	. Nat analiashla
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	Alst and Packla
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available
14.6. Special precautions for user	
- Overland transport	
Not applicable	
- Transport by sea	
Not applicable	
- Air transport	
Not applicable	
 Inland waterway transport 	
- Inland waterway transport Not applicable	
Not applicable	

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

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SECTION 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture 15.1. 15.1.1. **EU-Regulations** Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances Other information, restriction and prohibition : International regulatory information: AICS: Australia. Inventory of Chemical Substances (AICS) (as amended through 2 February regulations 2016) CAS RN: 68649-42-3, Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Notes aU This entry is a chemical of unknown or variable composition, a complex product of a chemical reaction, or a biological material (UVCB); the Australian inventory denotes this by putting an asterisk (*) after the CAS number. DSL: Canada. Domestic Substances List (DSL), as amended through February 10, 2016 CAS RN: 68649-42-3 Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Canada. Ontario Inventory (incomplete), based on TSCA Initial Inventory (1979), Appendix A, Chemical Substance Identities, and TSCA Inventory Supplement 1 (1980) CAS RN: 68649-42-3, Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts Molecular formula: Unspecified ENCS: Not listed KECI: Korea. Existing Chemicals Inventory (KECI, January 27, 2015, amended through MoE 2016-15, January 19, 2016) CAS RN: 68649-42-3, Name: Phosphorodithioic acid O,O-dialkyl(C=1-14) esters zinc salts Korean ID Number: KE-28667 TSCA: U.S. Federal, TSCA TSCA Section 4(e) Interagency Testing Committee (ITC) Priority List (through 73rd Report) CAS RN: 68649-42-3. Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS Notes ti78: The Fifty-Fifth ITC Report (November 2004) added 276 HPV orphan chemicals and removed 6 chemicals. TSCA Section 8(a) Preliminary Assessment Information Rule (PAIR) (40 CFR 712, Subpt. B) CAS RN: 68649-42-3, Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS 40 CFR 712.30. Final rule at 71 Fed. Reg. 47126 (8/16/2006). Effective Note(s): p50 date: September 15, 2006; reporting date: November 14, 2006. TSCA Section 8(d) Health & Safety Data Reporting (40 CFR 716, Subpt. B) CAS RN: 68649-42-3, Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS. Listed in 40 CFR 716.120: (d), Special exemption(s): 716.21(a)(7) Effective date: 9/29/06, Sunset date: 11/28/06 TSCA High Production Volume (HPV) Chemicals: 1990, 1994 & Post-1994 Additions (01/20/06) CAS RN: 68649-42-3 Name: PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS, 1990 HPV Challenge Program Chemical HPV Indicator Value (see notes): 0 HPV Sponsorship Value (see notes): N Notes 0 Chemical is a candidate for sponsorship under the HPV Challenge Program. Ν Not Sponsored PICCS: Philippines. Inventory of Chemicals and Chemical Substances (PICCS) 2012 CAS RN: 68649-42-3, Name: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts. 15.1.2. National regulations Germany VwVwS Annex reference : Water hazard class (WGK) 2. hazard to waters (Classification according to VwVwS, Annex 4) 12th Ordinance Implementing the Federal : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BImSchV Netherlands SZW-lijst van kankerverwekkende stoffen : Zinc alkyl dithiophosphate is listed SZW-lijst van mutagene stoffen : Zinc alkyl dithiophosphate is listed NIET-limitatieve lijst van voor de voortplanting : None of the components are listed giftige stoffen - Borstvoeding NIET-limitatieve lijst van voor de voortplanting : None of the components are listed giftige stoffen - Vruchtbaarheid

: None of the components are listed

Denmark

Classification remarks

: Emergency management guidelines for the storage of flammable liquids must be followed

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15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Other information

: It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product. Such information is actually to be best of our knowledge and believes accurate as reliable.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product