

**MATERIAL SAFETY DATA SHEET**


**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME	<b>All 2T oils (Air &amp; Water cooled )</b>	SAE	ALL
Product Use	Lubricants for 2 stroke aircooled and watercooled engines	<b>Product Number</b>	
Uses advised against:	No additional information available		
<b>Company Identification</b>			
United Grease and Lubricants Co LLC, PO Box 2685, Ajman, United Arab Emirates. Www.unitedgrease.com			
<b>Transportation Emergency Response</b>	<b>Health Emergency</b>	<b>Product Information</b>	
(971)(54) 2171575	(971)(54)2171575	(971)(54)2171575	

**SECTION 2 HAZARDS IDENTIFICATION**

Classification	Classification under EC 1272/2008 (EU GHS CLP)		
Skin corrosion/irritation, cat 2	H 315		
Specific target organ toxicity, single exposure, cat 3 narcosis	H 336		
Hazardous to aquatic environment - Coronic hazard - Cat 3	H 412		
Other hazards (not relevant for classification)			
Full text of H and EUH statements: See section 16			
Irritant to skin. High concentration of vapours may induce headache, dizziness, drowsiness, nauses and vomiting.			
Harmful to aquatic life with long lasting effects. For specific information about toxicological/ecotoxicological properties and classification of this product, see section 11 and 12			
EC Index No	<b>N/A</b>	EC No	<b>N/A</b>
CAS No	<b>N/A</b>	REACH Registration No	<b>N/A</b>

**SECTION 2 Label Elements**

CLP Signal word	Warning
Labelling according to Regulation (EC) No. 1272/2008 (CLP)	
Hazard pictogram	
	GHS07
Contains	Kerosene (Petroleum) hydrosulfurized
Hazard statements (CLP)	H 315 Causes skin irritation
	H 336 May cause dizziness or drowsiness
	H 412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	P101 - If medical advnce is needed, have product container or label at hand
	P102-Keep out of reach of children
	P261-Avoid breathing mist, spray, vapours, fume
	P264-wash hands, forearms and face thoroughly after handling
	P271-Use only outdoors or in a well ventilated area
	P 273 - Avoid release to environment
	P 280 - Wear protective gloves, eye proteciton
	P312-Call a doctor if you feel unwell
	P403+P233 -Store in a well ventilated place. Keep container tightly closed
	P405 - Store locked up
	P501 - dispose of contents and container to according to national or local regulations

**Other hazards (not relevant for classification)**

**Health** This product is combustible, but not classified as Flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels. Any substance, in case of accidents involving pressurised circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case the victim should be brought to an hospital as soon as possible, to get specialized medical treatment. Do not wait for symptoms to develop

A potential risk may arise from the release of hydrogen sulfide, when the product is stored or handled at high temperatures. H2S may accumulate in the tanks or in confined spaces, with danger to the workers that enter these spaces. In these cases, overexposure to H2S may cause irritation to airways, nasuses, dizziness

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loss of consciousness and death

This substance/mixture does not meet the PBT criteria of REACH regulation, , Annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, Annex XIII

Component

Contains no PBT/vPvB substances >0.1% assessed in accordance with REACH Annex XIII

Other information                    The mixture does not contain substances included in the list established in accordance with article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in commission delegated regulation EU 2017/2100 or commission regulation (EU) 2018/605

Component	
Lubricating oils (petroleum) C24-50 solven extraced, dewaxed hydrogrenated (101316-72-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, , Annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII this substance does not meet the criteria for classication as PBT Or vPvB, The product should be considered prudently as "persistent' in the environment, according to the REACH annex XIII criteria (Point 1.1)
Kersoene (petroleum), hydrosulfurized kersosene+ unspecified (64742-81-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, , Annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII this substance does not meet the criteria for classication as PBT Or vPvB.
White minderal oil (petroleum) (8042-47-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, , Annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII this substance does not meet the criteria for classication as PBT Or vPvB.
Distillates (petroleum), solvent dewaxed light paraffinic (64742-56-9) hydrogrenated (101316-72-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, , Annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII this substance does not meet the criteria for classication as PBT Or vPvB, The product should be considered prudently as "persistent' in the environment, according to the REACH annex XIII criteria (Point 1.1)
Lubricating oils (petroleum) C24-50 solven extraced, dewaxed hydrogrenated (101316-72-7)	The substanceis not included in the list established in accordance with article 59(1) of REACH for having endocrine disrupting properties or is identified as having endocrine disrupting properties in accordance the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulat EU 2018/605
Kersoene (petroleum), hydrosulfurized kersosene+ unspecified (64742-81-0)	The substanceis not included in the list established in accordance with article 59(1) of REACH for having endocrine disrupting properties or is identified as having endocrine disrupting properties in accordance the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulat EU 2018/605
White minderal oil (petroleum) (8042-47-5)	The substanceis not included in the list established in accordance with article 59(1) of REACH for having endocrine disrupting properties or is identified as having endocrine disrupting properties in accordance the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulat EU 2018/605
Distillates (Petroleum), hydrotreated light paraffinic (64742-55-8)	The substanceis not included in the list established in accordance with article 59(1) of REACH for having endocrine disrupting properties or is identified as having endocrine disrupting properties

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in accordance the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation EU 2018/605

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS (SUBSTANCES)**

Not applicable

**3.2 Mixtures**

Mixture of hydrocarbons  
Additives

Hazardous ingredients and/or with relevant occupational exposure limits

Name	Product Identifier	%	Classification according to Regulation 1272/2008
Lubricating oils (petroleum) C24-50 hydrotreated neutral oil-based base oil - unspecified (main component (see note **)) substance with national workplace exposure limits	CAS 10316-72-7 EC 309-877-7 ECINo. 649-530-00-X REACH No. 01-211947488969-106-0000	55-65	Not classified
Kersoene (petroleum), hydrosulfurized kersosene+ unspecified (64742-81-0)	CAS 64742-81-0 EC 265-184-9 ECINo. 649-423-00-85 REACH No. 01-2119462828-25-0058	15-20	Flam liquid 3, H 226 Skin Irrit 2 H 315 STOT SE 3 H 336 Asp Tox 1, H 304 Aquatic Chronic 2, H 411
White mineral oil (petroleum) (8042-47-5)	CAS : 8942-47-5 EC No, 232-455-8 ECINo. NA REACH No. 01-2119487078-27	1-3	Asp Tox 1, H 304
Distillates (Petroleum), hydrotreated light paraffinic (64742-55-8)	CAS 64742-56-9 EC 265-159-2 ECINo. 649-469-00-9 REACH No. 01-2119480132-48	1-3	

All these substances have a value of <3 wt% of DMSO, according to IP 346. According to the criteria laid out by the EU (Note L annex VI of regulation (CE) 1272/2008, this product must be regarded as non carcinogenic

Substance with occupational exposure limits for some EU countries affecting the category of mineral oils

**SECTION 4 FIRST AID MEASURES**

**General** In case of spontaneous vomiting, transport the victim to a hospital, to verify the possibility that the product has been aspirated into the lungs

**inhalation** In case of disturbances owing to inhalation of vapours or mists, remove the victim from exposure, keep at rest; if necessary, seek medical attention, see also point 4.3  
If breathing is difficult, give oxygen if possible or assisted ventilation. Give external cardiac massage

**Skin Contact** Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If inflammation or irritation persists, seek medical advice. In case of contact with hot product, cool affected part with plenty of cold water, and cover with gauze or clean cloth. Call a doctor to bring to a hospital. Do not use salts or ointments, unless directed by the doctor. Body hypothermia must be avoided. Do not put ice on the burn

**Eye contact** Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. If irritation persists, seek medical advice. In case of contact with hot product, cool affected part with plenty of cold water, and cover with gauze or clean cloth. Call a doctor or bring to a hospital. Do not use salts or ointments, unless directed by doctor. Remove contact lenses, if present and easy to do so

**Ingestion** Do not use induce vomiting to avoid aspiration into the lungs. If the person is conscious rinse mouth with water without swallowing. Keep at rest, call for medical assistance or bring to a hospital. If the casualty is unconscious, place in the recovery position. In case of spontaneous vomiting, keep head low, to avoid the risk of aspiration into the lungs  
Do not give anything by mouth to an unconscious person

**Most important symptoms and effects, both acute and delayed**

**Symptoms/injuries (general indications)** Prolonged and repeated skin contact may cause reddening irritation and dermatitis

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<b>Systems/Injuries after inhalation</b>	Inhalation of fumes or oil mists produced at higher temperatures may cause irritation of respiratory tract, symptoms of over exposure to vapours include drowsiness, weakness, headache dizziness, nausea, vomiting, dimming of vision
<b>Systems/Injuries after skin contact</b>	Prolonged or repeated skin contact may cause a redeening, irritation and dermatitis, due to a defatting effect. Contact with hot product may
<b>Systems/Injuries after eye contact</b>	Contact with eyes may cause temporary reddening and irritation Contact with hot product or vapours may cause burns
<b>Symptoms/injuries after ingestion</b>	Accidental ingestion of small quantities of the product may cause nausea, discomfort and gastric disturbances.
<b>Symptoms/injuries upon intravenous administration</b>	No information available
<b>Chronic symptoms</b>	None known

**Indication of any immediate medical attention and special treatment needed**

Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve. Seek medical attention in all case of serious burns. If there is any suspicion of inhalation of hydrogen Sulfide (H<sub>2</sub>S), rescuers must wear breathing apparatus belt and safety rope and follow rescue procedures. Send patient to hospital. Immediately begin artificial respiration if breathing has ceased. Administer oxygen if necessary

**SECTION 5 - FIRE FIGHTING MEASURES**

<b>EXTINGUISHING MEDIA</b>	Dry powder, CO <sub>2</sub> , water spray, other extinguishing gases (as per regulation) These means should be used by trained personnel only.
<b>UNSUITABLE</b>	Do not use a heavy water jets. They could cause splattering, and spread the fire Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam
<b>Special hazards arising from the substance or mixture</b>	
<b>Fire Hazard</b>	The product is combustible, but not classified as flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels  Heat may build pressure in tank and containers, rupturing closed vessels, spreading fire and increasing the risk of burns and injuries. Vapours are heavier than air, spread along the floors and form explosive mixtures with air
<b>Explosion Hazard</b>	In case of losses from pressurised circuits, the sprays may form mists. Take into account that in this case the lower explosion limit for mists is about 45g/m <sup>3</sup> of air
<b>Hazardous decomposition products in case of fire</b>	Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases NO <sub>x</sub> , H <sub>2</sub> S, SO <sub>x</sub> , oxygenated compounds (aldehydes etc.); PO <sub>x</sub> XNO <sub>x</sub> , CaO <sub>x</sub>

**Advice for firefighters**

<b>Firefighting instructions</b>	Shut off source of product, if possible. If possible, move containers and drums away from danger area. Spilled product which is not burning should be covered with sand or foam. Use water sprays to cool containers and surfaces exposed to the flames. If the fire cannot be controlled, evacuate area
<b>Special protective equipment for firefighters</b>	Wear personal protection equipment (see chapter 8). Self contained breathing apparatus with full face piece operated in positive pressure mode. EV 443, EN 469, EN 659
<b>Other information</b>	In case of fire, do not discharge residual product, waste materials and run off water. Collect separately and use a proper treatment

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Stop or contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). Avoid contact with released material
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### For Non emergency Personnel

#### Protective Equipment

See section 8

#### Emergency Procedures

Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

### For Emergency Responders

#### Protective equipment

Standard EN 469.

Small spillages: normal antistatic working clothes are usually adequate.

Large spillate: full body suit of chemically resistant and antistatic mtl necessary heat resistant and insulated. Work gloves providing adequate chemical esistance, specifically to aromatic hydrocarbons. Gloves made of PVA are not water-resistant, and are not suitable for emergency use.

If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated. Antistatic non skid safety shoes or boots, chemical resistant, if necessary heat resistant and insulated. Work helmet, antistatic non skid safety shoes or boots.

Respiratory protection: A half or full-face respirator with filter for organic vapours (and when applicable for H2S). A Self Contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.

#### Emergency Procedures

Notify local authorities according to relevant regulations.

#### Environmental precautions

Do not let the product flow into sewers or water courses, or in any way contaminate the environment. In case of contamination of environment compartments (soil, subsoil, surface or underground waters), remove contaminated soil when possible, and in any case treat all involved compartments in accordance with local regulations. The site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

#### Methods and material for containment and cleaning up

##### For containment

Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid and waste materials in suitable waterproof and oil resistant containers. Clean contaminated area. Dispose of according to local regulations. Water: Confine the spillage. Remove from surface by skimming or suitable floating absorbents. Collect recovered product and other waste materials in suitable waterproof, oil resistant containers. Recover or dispose of according to local regulations.

##### Methods for cleaning up

Transfer recovered product and other materials to suitable tanks or containers and store/dispose according to relevant regulations

##### Other Information

Recommended measures

are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. Local regulations may also prescribe or limit actions to be taken.

#### Reference to other sections

for further information, refer to section 8 and 13

### SECTION 7 HANDLING AND STORAGE

#### Precautions for safe handling

This material is combustible, but will not ignite readily. Provide adequate ventilation. Use adequate PPE as needed.

Ensure that all releveant regulations regarding handling and storage of flammable products are followed. DO not use compressed air for filling, discharging or handling operations. Keep away from heat/sparks/open flames/hot surfaces. Use and store only outdoors or in a well ventilated

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area. During transfer and mixing operations, ensure that all equipment is correctly grounded. Avoid the build up of electric charges  
 Provide good ventilation in process area to prevent formation of vapour  
 Keep away from sources of ignition No smoking. Store in dry, well ventilated area. Do not breathe fume/mist/vapours  
 Because of the extremely slippery nature of this material, more care than usual must be exercised in material handling practices to keep off all walking surfaces. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid releases to the environment. Emptied containers can contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been drained and cleaned. Before entering storage tanks and commencing any operation in a confined area (tunnels), carry out an adequate clean up, and check the atmosphere for oxygen content and flammability

**Handling temperatures**

0 to 45 deg C

**Hygiene Measures**

Avoid contact with skin. DO not breathe fume/mist/vapours. DO not ingest  
 Do not smoke. DO not eat and do not drink during use. Do not clean hands with dirty or oil soaked rags. Do not reuse clothes. If they are still contaminated, keep away from food and beverages

**Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Store in dry, well ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke.  
 If product is supplied in containers, keep only in the original container or in a suitable container for this kind of product. Keep containers tightly closed and properly labelled

**Incompatible Products**

Strong acids, strong oxidants. Strong bases/alkalies

**Storage temperatures**

0 to 55 deg C

**Storage area**

Storage area layout, tank design, equipment and operating procedures must comply with the local legislation. Storage installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.

**Package and Containers**

If the product is supplied in containers, keep containers tightly closed and properly labelled. Keep only in the original container or in suitable container for this kind of product. Empty containers may contain combustible residues. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned

**Packaging Materials**

For containers, or container linings use materials specifically approved for use with this product. Recommended materials for containers or container linings use mild steel, stainless steel. Some synthetic materials may be unsuitable for containers or containing linings depending upon the material specifications and intended use.

**Specific End Uses**

No information available

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**National occupational exposure and biological limit values (US NIOSH, ACGIH AND OSHA)**

No additional information available

**Lubricating oils (petroleum) C24-50 hydrotreated**

ACGIH OEL TWA 5 mg/m3 (mineral oil, mist, severely refined, DMSO < 3% m/m)  
 ACGIH OEL STEL 10 mg/m3 (mineral oil, mist, severely refined, DMSO < 3% m/m)

**Kerosene (Petroleum), hydrodesulfurized (64742-81-0)**

ACGIH OEL TWA 200 mg/m3 (mineral oil, mist, severely refined, DMSO < 3% m/m)

**White mineral oil (petroleum) (8042-47-5)**

ACGIH OEL TWA 5 mg/m3 (mineral oil, mist, severely refined, DMSO < 3% m/m)

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**Distillates (petroleum), solvent dewaxed light paraffinic (64742-56-9)**  
 ACGIH OEL TWA 5 mg/m3 (mineral oil, mist, severely refined, DMSO < 3% m/m)  
 ACGIH OEL STEL 10 mg/m3 (mineral oil, mist, severely refined, DMSO < 3% m/m)

**Recommended monitoring procedures** Monitoring methods should be chosen according to the indications set by national authorities or labour contracts. Refer to relevant legislation and in any case to the good practice of industrial hygiene  
**Air contaminants formed** No additional information available

**DNEL/DMEL (General Population)**  
 All 2T oils (Air & Water cooled ) Not applicable

**Lubricating oils (petroleum) C24-50 hydrotreated**  
**DNEL/DMEL (workers)**  
 Long term systemic effect, oral  
 Long term systemic effect, inhalation 2.7 mg/m3  
 Long term systemic effect, dermal 1 mg/kg of body weight/ day  
 Long term local effects Inhalation 5.6 mg/m3  
**DNEL/DMEL (General Population)**  
 Long term systemic effect, oral 0.74 mg/kg of body weight/ day  
 PNEC oral -secondary poisoning 9.33 mg/kg food

**Kerosene (Petroleum), hydrodesulfurized (64742-81-0)**  
**DNEL/DMEL (workers)**  
 Long term systemic effect, oral Qualitative approached used to conclude safe use  
 Long term systemic effect, inhalation 40 mg/kg of body weight/ day  
**DNEL/DMEL (General Population)**  
 Long term local effects Inhalation 40 mg/m3  
 Long term systemic effect, oral 18.8 mg/kg of body weight/ day  
 PNEC oral -secondary poisoning 8.77 mg/kg bw

**White mineral oil (petroleum) (8042-47-5)**  
**DNEL/DMEL (workers)**  
 Long term systemic effect, dermal 0.97 mg/kg of body weight/ day  
 Acute, systemic effects, inhalation 2.73 mg/m3  
 Acute local effects, inhalation 5.58 mg/m3 (DNEL, 15 min)  
**DNEL/DMEL (General Population)**  
 Long term systemic effect, oral 0.74 mg/kg of body weight/ day  
 Acute local effects, inhalation 1.19 mg/m3 (DNEL, 15 min)

**Distillates (Petroleum), hydrotreated light paraffinic**  
**DNEL/DMEL (workers)**  
 Long term systemic effect, dermal 0.97 mg/kg of body weight/ day  
 Long term systemic effect, inhalation 2.73 mg/m3  
 Long term local effects Inhalation 5.58 mg/m3  
 PNEC oral -secondary poisoning 9.33 mg/kg food

**Additional information** Note: The derived no effect level (CNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulations. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a governmental regulatory body or an expert organization, such as the society committee for occupation exposure limit (SCOEL), or the American conference of governmental industrial hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for a 8 hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH  
 Control banding No additional information available

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**EXPOSURE CONTROLS**

**Appropriate Engineering Controls**

Before entering storage tanks and commencing any operation in a confined area, carry out an adequate clean up and check the atmosphere for oxygen content, flammability and the presence of sulfur compounds  
See also section 16, Other information

**PERSONAL PROTECTIVE EQUIPMENT (for industrial or professional use)**

Face shield, Gloves, Protective clothing, safety glasses, safety shoes or boots, gas mask with filter for organic vapours (A) or organic vapours /H2S (A+B)

**Personal Protective Equipment (Symbol(s):**



**Eye/Face Protection**

Safety glass DIN EN 166

**Skin/Body Protection**

Long sleeved overalls. If necessary, refer to EN 340 and related standards for definition of characteristics and performance according to the risk rating of the area. Wash contaminated clothing before use  
for protective gloves include:

**Hand Protection**

Protective gloves, adequate materials, nitrile (NBR) or PVC with a protection index >5 (permeation time > 240 min). Use gloves respecting all the conditions and within the limits set by the manufacturer. Replace gloves immediately in case of cuts, holes or other signs of damages or degradation  
If necessary refer to the EM 374 standards. Thickness of glove mtl >0,4 mm  
Personal hygiene is a key element for an effective hand care. Gloves must be worn only with clean hands. After wearing of gloves, hands must be carefully washed and dried

**Eye protection**

When there is a risk of contact with the eyes, use safety goggles or other means of protection (face shield). If necessary refer to national standards or to the EN 166 standard

**Respiratory Protection**

No respiratory protection is normally required with sufficient ventilation  
Independently from other substances action (technical modifications, operating procedures, and other means to limit the exposure of workers) personal protection equipment can be used according to necessity. Open or well ventilated spaces; if product is handled without adequate containment; use full or half face masks with adequate filter for mists and organic vapours. (En 136/140/145). Closed or confined areas (ex tank interiors), the use of protection measures for airways (masks or self contained breathing apparatus) must be assessed according to the specific activity, as well as level and duration of predicted exposure (EN 136/140/145)  
Combination filter device (DIN EN 141). Combined gas/dust mask with filter type A Filter P (White)

**Thermal Hazards**

None in normal use conditions

**Thermal hazard protection**

If contact with hot product is possible, or anticipated, gloves should be heat resistant and thermally insulated

**Environmental exposure controls**

Storage areas/installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed  
Do not discharge the product into the environment.

**Consumer exposure controls**

Not applicable

**Hygiene measures**

Avoid contact with skin. DO not breathe fume/mist/vapours. DO not ingest  
Do not smoke. DO not eat and do not drink during use. Do not clean hands



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with dirty or oil soaked rags. Donot reuse clothes. If they are still contaminated, keep away from food and beverages

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Attention:** The data below are typical values and do not constitute a specification

Color	Yellow-brown (some countries blue color)
Physical State	Liquid
Odor	Slight odor of petroleum
Odor Threshold	No data available
pH	Not available
Vapor Pressure	No data available
Boiling Point	No data available
Solubility	Immiscible in water
Pour Point deg C D 97	-48 deg C D 97
Boiling Point	.250 DEG c (cas 101316-72-7_
FlashPoint	>105 deg c (D 93)
Freezing point,deg C	≈ 0 deg C (cas 101316-72-7)
Density	0.85 kg/L @ 20°C (Typical)
Viscosity	52 cst at 40 deg C (D445)
Log Kow	Not applicable for mixtures
Evaporation Rate	No data available
Decomposition Temperature	No data available
Octanol/Water Partition Coefficient	No data available
VOC Content	0% (EU, CH)
Flammability	No data available
Explosive properties	None
Oxidising properties	None
Explosive limits	>45 G/M3 (AEROSOL)
Lower explosion limit	No data available
Upper explosion limit	None
Autoignition temperature	>300 deg C(CAS 101316-72-7)
Log Kow	Not applicable for mixtures
Relative density	Not determined
Relative vapour density at 20 deg C	Not determined
<b>Particle characteristics</b>	Not determined
<b>Other information</b>	
Information with regard to physical hazard classes	
Critical temperature	Not applicable to mixtures
<b>Other safety characteristics</b>	
Relative evaporation rate (butylacetate=1) Negligible. No other data available	

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Reactivity</b>	This mixture does not offer any further hazard, except what is reported in the following paragraphs
<b>Chemical Stability</b>	Stable prdouct according to its intrinsic properties
<b>Incompatibility with Other Materials:</b> Strong oxidants and acids	
<b>Possibility of Hazardous reactions</b>	None (in normal conditions of storage and handling). Contact with strong oxidisers (peroxides, chromates etc) may cause a fire hazard. A mixture with nitrates and other strong oxidisers (chlorates, perchlorates, liquid oxygen) may create an explosive mass
	Sensivity to heat, friction or shock cannot be assessed in advance
<b>Conditions to avoid</b>	Keep away from open flames, hot surfaces and sources of ignition
<b>Hazardous decomposition products</b>	In exceptiona cases (prlonged storage in tanks contaminated with water and presence of anaerobic bacterica sulfate reducing microbial colonies0, the product may undergo a degradation and generate small amounts of sulfur compounds, including H2S

**SECTION 11 - TOXICOLOGIAL INFORMATION (mixture)**

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Acute toxicity (oral)	Not classified (based on available data, the classification criteria are not met)
Acute toxicity (dermal)	Not classified (based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	Not classified (based on available data, the classification criteria are not met)
Additional information	According to composition

**Lubricating oils (petroleum) C204-50 hydrotreated neutral oil-based, Baseoil - unspecified**

LD 50 Oral rat	>5000 mg/kg of body weight (OECD 401)
LD 50 dermal rabbit	>2000 mg/kg of body weight (OECD 402)
LC 50 Inhalation rat	2.18 - 5.53 mg/l/ (4 hours ) (OECD 403)

**Kerosene (Petroleum), hydrodesulfurized (64742-81-0)**

LD 50 Oral rat	>5000 mg/kg of body weight (OECD 401)
LD 50 dermal rabbit	>5000 mg/kg of body weight (OECD 402)
LC 50 Inhalation rat	>4.3 mg/l/ (4 hours ) (OECD 403)

**White mineral oil (petroleum) (8042-47-5)**

LD 50 Oral rat	>5000 mg/kg of body weight (OECD 401)
LD 50 dermal rabbit	>2000 mg/kg of body weight (OECD 402)
LC 50 Inhalation rat	5 mg/l/4H (inhalable aerosol)

**Distillates (Petroleum), hydrotreated light paraffinic**

LD 50 Oral rat	>5000 mg/kg of body weight (OECD 401)
LD 50 dermal rabbit	>5000 mg/kg of body weight (OECD 401)
LC 50 Inhalation rat	5 mg/l/4H (inhalable aerosol)

Skin Corrosion/Irritation	Not classified (based on available data, classification criteria are not met) According to composition Prolonged or repeated skincontact may cause reddening, irritation and dermatitis due to defatting effect pH NA
Serious eye damage/irritation	Not classified (based on available data, the classification criteria are not met) pH NA
Respiratory or skin sensitization	Not classified (based on available data, the classification criteria are not met)
Additional information	According to composition Thisproduct contains components with a specific concentration limit (SCL)
Germ cell mutagenicity	Not classified (based on available data, the classification criteria are not met)
Additional information	According to composition Contains 1,2 benzisothiazol -2 (2H)- one Causes sensitisation
Carcinogenicity	Not classified (based on available data, the classification criteria are not met)
Additional information	According to composition All the mineral base oils contained in the product have a value of ,3% of DMSO extract, according to IP 346/92 (nota L Dir 94/69/CE)
Reproductive toxicity	Not classified (based on available data, the classification criteria are not met) According to composition This product does not contain any significant amounts of substacnes classified as toxic for reproduction by the EU (In any case ,0.1 wt%)
Specific target organ (Single exposure)	May casue drowsiness or dizziness
Specific target organ Repeated exposure	Overexposure to vapours may casue irritation to airways, nausea and dizziness According to composition

**Kerosene (Petroleum), hydrodesulfurized (64742-81-0)**

NOAEL (dermal, rat/rabbit)	>0.5 mg/kg bodyweight
NOAEC (inhalation, rat, vapour)	>24 mg/m3 bodyweight
STOT - single exposure	May casue drowsiness or dizziness
Specific target organ	Not classified (based on available data, the classification criteria are not met)
Repeated exposure	According to composition

**Lubricating oils (petroleum) C204-50 hydrotreated neutral oil-based, Baseoil - unspecified**

LOAEL (oral, rat, )	125 mg/kg bodyweight/day
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**MATERIAL SAFETY DATA SHEET**

LOAEL (dermal, rat/rabbit, 90 days)	100 mg/kg bodyweight/day
NOAEL (dermal, rat.rabbit, 90 days)	1000-2000 mg/mg BW/day
NOAEC (inhalation, ra, vapour, 90 days)	220-1500 mg/mg BW/day

**Kerosene (Petroleum), hydrodesulfurized (64742-81-0)**

LOAEL (oral, rat, 90 days)	1500 mg/kg bodyweight
LOAEL (dermal, rat/rabbit, 90 days)	=165 mg/kg bodyweight
LOAEC (inhalation, rat, vapour, 90 days)	1000-2000 mg/mg BW/day
NOAEL (oral, rat.rabbit, 90 days)	750 mg/kg bodyweight/day
NOAEL (dermal, rat.rabbit, 90 days)	=495 mg/kg bodyweight
NOAEC (inhalation, ra, vapour, 90 days)	>1000 mg/m3

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

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
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**Distillates (Petroleum), hydrotreated light paraffinic**

LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
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Aspiration hazard	Not classified (based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms	Repeated and prolonged skin contact may cause reddening, irritation and dermatitis due to defatting effect. Contact with eyes may cause temporary irritation
Additional information	According to composition
Viscosity	>52 cst at 40 deg C (D445)

**Information on other hazards**

Endocrine disrupting properties	None known. The mixture does not contain substances included in the list established in accordance with article 59(1) of REACH for having endocrine disrupting properties, or is not identified or having endocrine disrupting properties in accordance with the criteria set out in commission delegated regulation (EU) 2017/2012 or commission regulation (EU) 2018/605
Other information	
Potential adverse human effects and symptoms	Contact with eyes may cause temporary reddening and irritation. Irritant to skin, high concentration of vapours may induce; headache, nausea, dizziness. Avoid all eye and skin contact and do not breath vapour and mist
Other information	None

**SECTION 12 - ECOLOGICAL INFORMATION**

<b>ECOTOXICITY/Ecology-General</b>	Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
An uncontrolled	release to the environment may nevertheless produce a contamination of different environmental compartments (soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment. Notify authorities if produce enters sewers or public waters. Not soluble in water. If floats on water and forms a film on the surface. The damage to aquatic organisms is of mechanical kind (immobilization and entrapment
<b>Ecology - air</b>	This product has low vapour pressure. A significant exposure may happen only if the product is used at high temperature or in case of sprays/mists
<b>Ecology water</b>	Not soluble in water, see above section on general ecotoxicity
<b>Hazardous to the aquatic environment, short term acute: Not applicable</b>	
<b>Hazardous to the aquatic environment, long term chronic: Harmful to aquatic life with long lasting effects</b>	

**Lubricating oils (petroleum) C24-50 hydrotreated neutral oil-based, Baseoil - unspecified**

LC 50 fish 1	> 100 mg/L (LL 50, OECD 203)
LC 50 fish 2	
EC50 Daphnia 1	>10000 mg/L WAF, 48h (OECD 202)
NOEC acute	> 100 mg/L (OECD 201)
NOEC chronic fish	> 100 mg/L (Oncorhynchus mykiss, NOELR 14d)

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<b>NOEC chronic crustacea</b>		>1000 mg/l (OECD 211)
<b>Kerosene (Petroleum), hydrodesulfurized (64742-81-0)</b>		
LC 50 fish 1		2-5 mg/l (OECD 203)
LC 50 Other aquatic organisms		677/9 mg/k (II50, CAS 54742-94-5)
EC50 Daphnia 1		1.4 mg/l (EL 50, OECD 202)
EC5- 72h = algae		1-3 mg/l (OECD 201)
NOEC acute		0.48-1,2 mg/l (OECD 211, CAS 64742-81-0)
<b>White mineral oil (petroleum) (8042-47-5)</b>		
LC 50 fish 1		>100g/l
LC 50 Other aquatic organisms		>100g/l
EC50 Daphnia 1		>100g/l
<b>Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)</b>		
LC 50 fish 1		> 100 mg/L (LL 50)
EC50 Daphnia 1		>10000 mg/L WAF, 48h (OECD 202)
<b>PERSISTENCE AND DEGRADABILITY</b>		
<b>All 2T oils (Air &amp; Water cooled )</b>		
Persistence and degradability	The most significant constituents of the product should be considered as inherently biodegradable', but not 'readily biodegradable'. And they may be moderately persistent, particularly in anaerobic conditions	
<b>Kerosene (Petroleum), hydrodesulfurized (64742-81-0)</b>		
Persistence and degradability	The most significant constituents of the product should be considered as inherently biodegradable', but not 'readily biodegradable'. And they may be moderately persistent, particularly in anaerobic conditions	
<b>Lubricating oils (petroleum) C24-50 hydrotreated neutral oil-based, Baseoil - unspecified</b>		
Persistence and degradability	The most significant constituents of the product should be considered as inherently biodegradable', but not 'readily biodegradable'. And they may be moderately persistent, particularly in anaerobic conditions	
<b>Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)</b>		
Persistence and degradability	The most significant constituents of the product should be considered as inherently biodegradable', but not 'readily biodegradable'. And they may be moderately persistent, particularly in anaerobic conditions	
<b>White mineral oil (petroleum) (8042-47-5)</b>		
Persistence and degradability	The most significant constituents of the product should be considered as inherently biodegradable', but not 'readily biodegradable'. And they may be moderately persistent, particularly in anaerobic conditions	
Biodegradation	< 60% (28d, OECD TG 301 C)	
<b>BIO ACCUMULATIVE POTENTIAL</b>		
<b>All 2T oils (Air &amp; Water cooled )</b>		
Log POW	Not applicable for mixtures	
Log Kow	Not applicable for mixtures	
Bioaccumulative potential	Not established	
<b>Lubricating oils (petroleum) C20-50 hydrotreated neutral oil-based, Baseoil - unspecified</b>		
Bioaccumulative potential	The test methods for this end point are not applicable to UVCB substances	
<b>Kerosene (Petroleum), hydrodesulfurized (64742-81-0)</b>		
Bioaccumulative potential	The test methods for this end point are not applicable to UVCB substances	
<b>Mobility in Soil</b>		
<b>All 2T oils (Air &amp; Water cooled )</b>		
Ecology Soil	No data available	
Mobility in soil	Not determined	
<b>Lubricating oils (petroleum) C24-50 hydrotreated neutral oil-based, Baseoil - unspecified</b>		
Ecology Soil	The test methods for this end point are not applicable to UVCB substances	
<b>Kerosene (Petroleum), hydrodesulfurized (64742-81-0)</b>		
Ecology Soil	The test methods for this end point are not applicable to UVCB substances	
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**MATERIAL SAFETY DATA SHEET**

**Results of PBT and vPvB assessment**

**All 2T oils (Air & Water cooled )**

This substance/mixture does not meet the PBT criteria of REACH regulation, , Annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, Annex XIII

Results of PBT-VpVB assessment

**(including components)**

The components in this formulation do not meet the criteria for classification as PBT or vPvB. The product should be considered 'persistent' in the environment according to the REACH Annex XIII criteria (Point 1.1)

**Other adverse effects**

None

**Additional information**

No other effects known

**Endocrine disrupting properties**

Adverse effects on the environment caused by endocrine disrupting properties

The mixture does not contain substances included in the list established in accordance with article 50(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EC 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1%

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Regional legislation**

**Disposal must be done according to official regulations**

**Waste treatment methods**

Do not dispose of the product, either new or used, by dumping on the ground, or discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector

**Sewage disposal considerations**

Do not apply industrial sludge to natural soils;. Sludge should be incinerated, contained or reclaimed Dispose off in a safe manner in accordance with local and national regulations

**Product/Packing disposal considerations**

European Waste Catalogue code (s) (Decision 2001/118/CE): 13 02 05\* (mineral based non chlorinated engine, gear and lubricating oils)

**Additional information**

12 01 09\* (machining emulsions and solutions free of halogens). This EWC code is only a general and takes into account the original composition of the product and its intended use.

**Additional information**

The user has the responsibility of choosing the right EWC code, considering the actual use

**Additional information**

Do not cut, weld, bore, b of the product, alterations and contaminations

**Ecology- waste materials**

and declared safe

**Ecology- waste materials**

The product as it is does not contain halogenated substances

**EURAL Code (EWC)**

13 02 05\* (mineral based non chlorinated engine, gear and lubricating oils)

**SECTION 14 - TRANSPORT INFORMATION**

**In accordance with ADR/IMDG/IATA/AND/RID**

ADR	IMDG	IATA	ADN	RID
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**UN Number or ID Number**

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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**UN Proper shipping name**

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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**Transport hazard class(es)**

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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**Packing Group**

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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**Environmental hazards**

Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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No supplementary information available

**Overland transport**

**Not regulated**

**Transport by sea**

**Not regulated**

**Air transport**

**Not regulated**

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**Inland waterway transport** **Not regulated**  
**Rail transport** **Not regulated**  
 Transport in bulk according to annex II of MARPOL 73/78 and the IBC Code  
**IBC Code : Not applicable**

**SECTION 15 - REGULATORY INFORMATION (Mixture)**

**EU Regulations**

The following restrictions are applicable according to Annex XVII of the REACH regulations no 1097/2006

3(a) Kerosine )petroleum) hydrodesulfurised	Substances or mixtures fulfilling for any of the following hazard classes or categories set out in Annex 1 to Regulation EC No. 1272/2008: Hazard classes 2.1 to 2.4, 2.7, 2.8 types A&B; 2.9,2.19,2.12.,21.3 cat 1 and 2, 2.14 cat 1/2 2.15 types A to F
3(b) All 2T oils (Air & Water cooled ) White mineral oil, distillates, solvetn dewaxed light paraffinic, kersone hydrodesulfurised	Substances or mixtures fulfilling for any of the following hazard classes or categories set out in Annex 1 to Regulation EC No. 1272/2008: Hazard classes 3.1 to 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© All 2T oils; kerosene	Substances or mixtures fulfilling for any of the following hazard classes or categories set out in Annex 1 to Regulation EC No. 1272/2008: 4.1
40 Kerosene hydrodesulfurized	Substances classified as flammable gases cat 1/2, flammable liquids cat 1/2/3; flammable solids cat 1/2; substances and mixtures which, in contact with water, emit flammable gases, cat 1/2/3; pyrophoric liquids cat 1/2, pyrophoric solids cat 1; regardless of whether they appear in part 3 of annex VI to regulation EC no 1272/2008 or not

No REACH Annex XVII/XIV restrictions

No ingredients are included in the REACH candidate list (>0.1% m/m/)

Other information, restriction and prohibition regulations

Contains no substance subject to regulation EU No. 649/2012 of the European parliament and of the council

Contains no substance subject to regulation EU No. 2019/1021 of the European parliament and of the council of 20 June 2012 concerning persistent organic pollutants

Contains no substance listed in PIC List EU No. 649/2012 of the European parliament and of the council

Contains no substance listed in POP List EU No. 649/2012 of the European parliament and of the council

Contains no substance listed in ozone depletion list EU No. 1005/2009

Contains no substance listed in explosive percursor list EU No. 2019/1448

EC No. 1907/2006	EC 1272/2008	67/548/EEC	1999/45/EC	1907/2006	89/931/CEE
89/654/CEE	89/655/CEE	90/269/CEE	90/270/CEE	90/394/CEE	90/679/CEE
93/88/CEE	95/63/CE	97/42/CE	98/24/CE	99/38/CE	99/92/CE
2001/45/CE	2003/10/CE	2003/18/CE	2012/18/CE	2004/42/CE	98/24/EC
98/25/CE	1005/2009	850/2004	79/117/EEC	649/2012	
VOC Content	20% (EU, CH)				

**National Regulations**

National adoption of EU Directives concerning health and safety on the workplace

Relevant national laws of protection of the health of pregnant workers (national adoption of 92/85/EEC\_

National adoption of EU directives concerning control of major-accident hazards involving dangerous substances (2012/18/CE). Relevant nationallaws on prevention of water pollution

National adoption of directives 75/439/CEE 0 87/101/CEE concerning disposal of used oils

**Chemical safety assessment**

Fr this mixture, a chemical safet assessment has not been carried out

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**A chemical safety assessment has been carried out for the following components of this mixture:**

Lubricating oils, petroleum, C 24-50, solvent extracted, dewaxed, hydrogenated  
 White mineral oil (petroleum)  
 Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)  
 Kerosine (petroleum) hydrodesulfurised

**SECTION 16 - OTHER INFORMATION**

Indication of Changes		Composition/information on ingredients	
Section	Changed from	Change	Notes
	SDS EU format according to Commission Regulation (EU) 2020/878		
1	Identification	Modified	
2	Hazards identification	Modified	
3	Composition	Modified	
4	First aid measures	Modified	
5	Fire fighting measures	Modified	
6	Accidental release measures	Modified	
7	Precautions for safe handling	Modified	
8	Exposure controls	Modified	
9	Physical properties	Modified	
10	Stability and reactivity	Modified	
11	Toxicological information	Modified	
12	Ecological information	Modified	
13	Disposal considerations	Modified	
14	Transport information	Modified	
15	Regulatory information	Modified	
16	Other information	Modified	

**ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT**

TLV - Treshold Limit Value	TWA - Time weighted average
STEL - Short term exposure limit	PEL - Permission exposure limit
GHS - Globally Harmonized System	CAS - Chemical abstract service number
ACGIH -	IMO/IM
API - American Petroleum Institute	SDS - Safety Data Sheet
HMIS - Hazardous Materials Information System	NFPA - National Fire Protection Association (USA)
DOT - Department of Transport	NTP - National Toxicology Program (USA)
IARC - International agency for research on cancer	OSHA -
NCEL - New chemical exposure limit	EPA - Environmental Protection Agency
SCBA - Self contained breathing apparatus	NA - Not applicable
ND Not available	CSR - Chemical Safety Report
DNEL - Derived No effect Level	DMEL - Derived Minimum Effect Level
EC - 50 - Effective Concentration , 50%	EL50 - Effective Loading, 50%
IC 50 - Inhibition concentration, 50%	LC 50 - Lethal concentration, 50%
LD 50 -Lethal dose, 50%	LL50 - Lethal loading, 50%
LOAEL - Low observed adverse effects level	NOEL - No observed effects level
NOAEL No observed adverse effects level	OECD Organization for economic co-op and devmt
PNEC Predicted no effect concentration	PBT - Predicted, bioaccumulative, toxic
STOT - Single Target Organ Toxicity	STOT - RE (above) with repeated exposure
STOT - SE (Above) with single exposure	vPvB - Very persistent, very bioaccumulative
UVCB - substance of unkonw or variable composition, complex reaction products of bio materials	
WAF - Water accommodated fraction	N?A Not applicable
N/D - Not detectable or available	

ADN - European agreement concerning the international carriage of dangerous goods by inward waterways

ADR- European agreement concerning the international carriage of dangerous goods by road

ATE - Acute Toxicity estimate

BCF-Bioconcentration factor

CLP - classification labelling packaging refulation -regulation EC No. 1272/2008

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IATA - International air transport association  
 IMDG - International maritime dangerous goods  
 NOAEC - no observed adverse effect concentration  
 NOEC No observed effect concentration  
 REACH - Registration, authorisation and restriction of chemicals, regulations No 1907/2006  
 RID - regulation concerning the international carriage of dangerous goods by railways  
 STP - sewage treatment plant

Data sources This safety data sheet is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers

Training Advice - Provide adequate training to professional operators for the use of PPEs, according to the information contained in this safety data sheet

Other information: Do not use the product for any purposes that have not been advised by the manufacturer

**Full text of R-, H- and EUH-phrases**

Acute Tox 4 (Oral)	Acute Toxicity (oral), category 4
Aquatic acute 1	Hazardous to the aquatic environment - acute Hazard, category 1
Aquatic chronic 1	Hazardous to the aquatic environment - CHronic Hazard, category 1
Aquatic chronic 2	Hazardous to the aquatic environment - CHronic Hazard, category 2
Aquatic chronic 3	Hazardous to the aquatic environment - CHronic Hazard, category 3
Aquatic chronic 4	Hazardous to the aquatic environment - CHronic Hazard, category 4
Eye Dam 1	Serious eye damage/eye irritation, category 1
Eye Irrit. 2	Serious eye damage/eye irritation, category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit.2	Skin corrosion/irritation, category 2
Skin Sens. 1B	Sensitisation - Skin, category 1B
H 302	Harmful if swallowed
H 315	Causes Skin Irritation
H 317	May cause an allergic skin reaction
H 318	Causes serious eye damage
H 319	Causes serious eye irritation
H 361f	Supsected of damaging fertility
H 400	Very toxic to aquatic life
H 410	Very toxic to aquatic life with long lasting effects
H 411	Toxic to aquatic life with long lasting effects

**Full text of R-, H- and EUH-phrases (continued)**

H 412	Harmful to aquatic life with long lasting effects
H 413	May cause long lasting effects to aquatic life
R 22	Harmful if swallowed
R 36/38	Irritating to eyes/skin
R 38	Irritating to skin
R 41	Risk of serious damage to eyes
R 43	May cause sensitization by skin contact
R 50/53	Very toxic to aquatic organisms, may cause long term adverse effects to them
R 51/53	Toxic to aquatic organisms, ,may cause long term adverse effects
R 53	May cause long term adverse effects in the aquatic environment
R 62	Possible risk of impaired fertility
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

Classification and procedure used to deliver the classification for mixtures according to regulation EC 1272/2008 (CLP) Skin irr 2 H315; STOT SE 3 H 336; Aquatic Chronic 3 H 412

**Prepared as per to the 29 CFR 1910.1200 (2012) and EU by United Grease and Lubricants Co LLC, PO Box 2685, Ajman, United Arab Emirates. Meets EU No. 2015/830 regulations also**