

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME **ALL CALCIUM BASED GREASES** **NLGI ALL**

**Product Use** Lubricant Grease **Form** Mixture **Product Number**

**Uses advised against:** No additional information available

**Company Identification**

United Grease and Lubricants Co LLC, PO Box 2685, Ajman, United Arab Emirates.

[www.unitedgrease.com](http://www.unitedgrease.com)

<b>Transportation Emergency Response</b>	<b>Health Emergency</b>	<b>Product Information</b>
(971)(56) 7678510	(971)(56) 7678510	(971)(56) 7678510

**SECTION 2 HAZARDS IDENTIFICATION**

Classification Not classified as hazardous according to 29 CFR 1910.1200 (2012)

Hazards Not Otherwise Classified Not applicable

EC Index No **N/A** EC No **N/A** CAS No **N/A** REACH Registration No **N/A**

**SECTION 2 Label Elements**

Labelling according to Regulation (EC) No. 1272/2008 (CLP) **Not classified**

Adverse Physico chemical, human health and environmental effects

None to be reported, according to the present EU regulations. For specific information, about the toxicological/ecotoxicological properties and classification, see

Other hazards not contributing to the classification **Combustible product. In case of contact with eyes, this product may cause irritation. Thermal decomposition generates vapours. Prolonged and repeated skin contact may cause reddening, irritation and dermatitis. Ingestion may cause nausea and diarrhea and vomiting. May cause long term adverse effects in the environment. A potential risk may arise from the release of H<sub>2</sub>S, when the product is stored or handled at high temperatures. Hydrogen sulfide may accumulate in the tanks or other confined spaces, with danger to workers that enter the spaces. In these cases over exposure to H<sub>2</sub>S may cause irritation to airways, nausea, dizziness, loss of consciousness and death**

EUH Phrases UE 210 - Safety data sheet available on request

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

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

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS (MIXTURES AS PER EU DIRECTIVES)**

**3.1 SUBSTANCES**

Not applicable

**3.2 Mixtures**

**Notes:** Composition/information on ingredients  
Mixture of hydrocarbons  
Additives  
Thickeners

Components/Name	Product Identifier	%	Classification according to 1272/2008 (EU/CLP)
Lubricating oil (petroleum), C24-50, solvent extracted, dewaxed, hydrogenated (See note a,b)	CAS NO 101316-72-7 EC No. 309-877-7 EC Index No.: 649-530-00-X; RAECH No. 01-2119489969-06-0000	62 to 66%	Not classified
Vegetable Oils	CAS No. 8001-78-3 EC No. 232-292-2; EC Index No.232-292-2:	Max 18%	Not classified
Calcium hydroxide	CAS No.1305-62-0; EC No. 215-13	Max 6 %	NFPA 704, H314, H335, H 492; P 261, P 280, P 305+P351+P338
Phosphorodithioic acid, mixed, 0-0-bis (iso-Bu and pentyl) esters, zinc/Calcium salts (additive)	CAS No. 68457-79-4; EC No. 270-608-0; EC Index No. NA; REACH No. 01-2119493628-22	1.5 to 2%	Skin Irrit 2, H 315 Eye Dam 1, H 318 Aquatic Chronic 2, H 411

**Specific Concentration limits:**

Phosphorodithioic acid, mixed, 0-0-bis (iso-Bu and pentyl) esters, zinc/calcium salts (additive)	CAS No. 68457-79-4; EC No. 270-608-0; EC Index No. NA; REACH No. 01-2119493628-22	15-100	Skin Irrit 2, H 315
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- Notes:
- a This product has a value of DMCO Extract <3% as per IP 346/92. According to the criteria laid by the EU (note L, Annx VI of Regulation (CE) 1272/2008, this product must be regarded as non carcinogenic
  - b Substance with occupational exposure limits for some EU countries affecting the category of mineral oils (finely refined mineral base oil mists, see section 8.1)

Full text of H statements- see section 16

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#### SECTION 4 - FIRST AID MEASURES

Description of first aid measures

- Eye** Rinse immediately with plenty of water. If irritation, blurred vision or swelling occurs, and persists, obtain medical advice from a specialist
- Skin** Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If skin irritation occurs, get medical advice/attention
- Ingestion** DO NOT induce vomiting. If the person is conscious, rinse mouth with water without swallowing. Keep at rest. Call for medical attention 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
- Inhalation** Remove to fresh air, keep the casualty warm and at rest. If breathing is difficult, give oxygen if possible, or assisted ventilation. Seek medical advice, See also section 4.3

**Classification according to Directive 67/548/EEC or 1999/45/EC** - Not classified

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

##### IMMEDIATE HEALTH EFFECTS

- Eye** Contact with eyes may cause slight transient irritation
- Skin** Prolonged or repeated skin contact may cause reddening, irritation and dermatitis
- Ingestion** Accidental ingestion of small quantities of the product may cause nausea, discomfort and gastric disturbances.
- Inhalation** None under normal conditions at ambient temperatures

**DELAYED OR OTHER HEALTH EFFECTS** Not classified Intravenous administration: No info.

Chronic symptoms 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. If there is any suspicion of inhalation of H<sub>2</sub>S (Hydrogen sulfide), 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

**EXTINGUISHING MEDIA** Dry chemical powder, CO<sub>2</sub>, or water spray or regular foam  
Unsuitable Do not use a heavy water stream. Use water stream to cool containers

**Explosion Hazard** No direct explosion hazard

**Hazardous decomposition products in case of fire:** Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases. Oxygenated compounds (aldehydes etc.). Combustion products include sulphur oxides (SO<sub>2</sub> and SO<sub>3</sub>), and Hydrogen sulfides (H<sub>2</sub>S, COS, ZNOx and LiOx)

##### Advice for fire-fighters

**Fire Fighting Instructions** Shut off source of product, if possible. Move undamaged containers from immediate hazard area if it can be done safely. Use water sprays to cool containers and surfaces exposed to the flames. If the fire cannot be controlled, evacuate the area

**SPE for firefighters** PPE for fire fighters (see also sect 8), In case of larger fire or in confined or poorly ventilated areas, wear full fire resistant protective clothing and self contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode (EN 443/449/659)

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**General Measures** Stop and contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (eg electricity, sparks, fires, flares)

**Spill Management** Avoid direct contact with released material. Avoid accidental sprays on hot surfaces of electrical contacts. Keep unwind. Spill area may be slippery

### For non-emergency Personnel

**Proective 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 advice, if possible, by a trained, competent person in charge of managing the emergency.

### For emergency responders

**Proective equipment** Do not attempt to take action without suitable protective equipment. Personal protective equipment standard EN 469 - Protective clothing for fighters ; std 659 - proective gloves for fire fighters. 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 resistance and insulated. Work helmet. Goggles and/or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection: A half or full face respirator with filter(s) for organic vapours (A) (or A+B when applicable for H2S), or 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 an oxygen deficiency is possible, only SCBA's should be used

**Emergency Procedures** Notify local authorities according to relevant regulations

**Environmental Precautions** Prevent product from entering sewers, rivers or other bodies of water. In case of contamination of environment compartments (soil, sub soil, surface or underground waters), remove the 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 materials for containment and cleaning up

**For containment** Contain the product and contaminated materials with mechanical means. Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal

**Methods for cleaning up** Wash contaminated area with large amounts of water

**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. For this reason, local experts should be consulted when necessary

**Reference to other sections** For further information, refer to section 8 "exposure controls personal protection. For further information, refer to section 13

## SECTION 7 - HANDLING AND STORAGE

### Precautions for safe handling

This material is combustible, but will not ignite readily. Due to the extremely slippery nature of all this material, more care than usual must be exercised in material handling practises to keep off all walking surfaces. Avoid contact with skin, eyes and clothing. Do not use compressed air for filling, discharging or handling operations. Keep away from heat/sparks/openflames/hot surfaces. Use and store only outdoors or in a well ventilated area. Emptied containrs can contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been drained and cleaned

### Hygenine Meaures

Ensure that proper housekeeping measures are in place. Do not breath 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 re use clothes, If they are still contaminated, Keep away from food and beverages. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from twon clothes. Launder separately

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Sotre in dry, well ventilated area. Keep away from heat, hot surfaces. sparks, open flames and other ignition sources. No smoking DO not smoke
Incompatible products	Keep away from strong oxidants
Storage area	Storage area lay out, tank design, equipment and operating procedu- res must comply with the relevant Eueopean, national or local legislation. Storage installations should be designed with adequate bunds so that as to to prevent ground and water pollution in case of leaks or spills. Cleaning, inspection and maintenance of internal structure of storage tanks msut be done only by properly equipped and qualified personnel as per local regulations

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Lubricating Oil (Petroleum), C 24-50, solvent extracted, dewaxed, hydrogenated (101316-72-7)

Netherlands	MAC TGG 8h (mg/m3)	5 mg/m3 (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
USA ACGIH	TLV®-TWA (mg/m3)	5 mg/m3 (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
USA OSHA	PEL (TWA) mg/m3	5 mg/m3 (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
<b>UK</b>	WEL TWA (Mg/m3)	5 mg/m3 (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)

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Residual Oil (Petroleum), C 24-50, solvent refined (64742-01-4)

Netherlands	MAC TGG 8h (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
USA ACGIH	TLV®-TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
USA ACGIH	TLV STEL mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
UK	WEL TWA (Mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)

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

<b>Netherlands</b>	MAC TGG 8h (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
USA ACGIH	TLV®-TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
USA ACGIH	TLV STEL mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)
UK	WEL TWA (Mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mineral base oil mist, severely refined DMSO Extract less than 3% m/m)

**MONITORING METHODS** Monitoring procedures 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

**SCOPE AMPLE Grease MP 2**

DNEL/DMEL (workers)	Not applicable
PNEC (workers)	Not applicable

Lubricating Oil (Petroleum), C 24-50, solvent extracted, dewaxed, hydrogenated (101316-72-7)

DNEL/DMEL (workers)

Long Term - systemic effects, dermal	1 mg/kg of body weight/day
Long term - systemic effects, inhalation	2.7 mg/m <sup>3</sup>
Long term - local effects, inhalation	5.6 mg/m <sup>3</sup>
Long term - systemic effects, Oral	0.74 mg/kg of body weight/day
PNEC Oral (secondary poisoning)	9.33 mg/kg of food

Residual Oil (Petroleum), C 24-50, solvent refined (64742-01-4)

DNEL/DMEL (workers)

Long Term - systemic effects, dermal	0.97 mg/kg of body weight/day
Long term - systemic effects, inhalation	2.73 mg/m <sup>3</sup>
Long term - local effects, inhalation	5.58 mg/m <sup>3</sup>
Long term - systemic effects, Oral	0.74 mg/kg of body weight/day
PNEC Oral (secondary poisoning)	9.33 mg/kg of food

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

DNEL/DMEL (workers)

Long Term - systemic effects, dermal	1 mg/kg of body weight/day
Long term - systemic effects, inhalation	2.7 mg/m <sup>3</sup>
Long term - local effects, inhalation	5.6 mg/m <sup>3</sup>
Long term - systemic effects, Oral	0.74 mg/kg of body weight/day
PNEC Oral (secondary poisoning)	9.33 mg/kg of food

<b>Phosphorodithioic acid, mixed 0,0 bis (iso0Bu and pentyl) esters, zinc sales (68457-79-4)</b>	
<b>DNEL/DMEL (workers)</b>	
Acute - systemic effects, dermal	11.87 mg/kg of body weight/day
Acute - systemic effects, inhalation	8.13 mg/m <sup>3</sup>
<b>DNEL/DMEL (General Population)</b>	
Acute - systemic effects, dermal	5.93 mg/kg of body weight/day
Acute - systemic effects, inhalation	8.13 mg/m <sup>3</sup>
Long term- systemic effects, derman	5.93 mg/kg of body weight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	4 micrograms/L
PNEC aqua (Marine water)	4.6 micrograms/L
PNEC aqua (intermittne, freshwater)	45 micro grams/L
<b>PNEC (Sediment)</b>	
PNEC Sediment (fresh water)	0.024 mg/kg DWT
PNEC Sediment (Marine water)	0.002 mg/kg DWT
<b>PNEC (SOIL)</b>	
PNEC Soil	2.49 micrograms/kg dwt
<b>PNEC (Oral)</b>	
PNEC Oral (secondary poisoning)	10.67 mg/kg food
<b>PNEC (STP)</b>	
PNEC Sewage Treatment Plant	100 mg/L
<b>8.2 Exposure controls</b>	

Ensure good ventilation of the work station. Minimize exposure to mists/vapours/aerosol  
 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

**PPE for industrial and professional use**

Protective clothing, safety glasses, safety shoes or boots

**Materials for protective clothing**

Protective apron - DIN EN 465; DIN EN 46

**Hand protection**

When there is a risk of contact with the skin, use hydrocarbon resistance, felt lined gloves. Adequate materials - NBR or neoprene with a protection index of >/- 5 (permeation time more than 240 minutes). Use gloves respective 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 EN 374 statement

**Eye protection**

Chemical goggles or safety glasses , DIN EN 166

**Skin and Body**

Non skid safety shoes and boots/ chemical resistant

**Respiratory**

Not necessary with sufficient ventilation. In case of inadequate ventilation wear respiratory protection (EN 136/140/145). Combination filter device (DIN EN 141). Approved respiratory protection equipment shall be used in spaces where H<sub>2</sub>S may accumulate; full face mask with cartridge/ filter type B (grey for inorganic vapours including H<sub>2</sub>S), or self contained breathing apparatus (SCBA) (EN 136/140/145)

Personal protection equipment symbol(s)



Thermal hazard protection

None in normal use conditions

Environmental exposure controls

Do not discharge the product into the environment. Prevent discharge of undissolved substance to or recover from on site wastemaster. 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

Consumer Exposure Controls

Not applicable

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance	Soft paste, slightly hazy
Color	Brownish yellow
Physical State	Solid
Odor	Characteristic
Odor Threshold	No data available
pH	Not applicable
Vapor Pressure	No data available
Vapor Density (Air=1)	No data available
Initial Boiling Point (base oil)	>250 deg c (cas 101316-72-7)
Solubility	Soluble in hydrocarbons, insoluble in water
Freezing Point	0 deg c (CAS 101316-72-7)
Melting Point	About 130 deg C (typical)
Density	0.9 kg/L @ 15°C (59°F) (Typical)
Viscosity	91-99 mm <sup>2</sup> /s @ 40 °C (base oil) D 445
Coefficient of Thermal expansion/ <sup>0</sup> F	No data available
Evaporation Rate	No data available
Decomposition Temperature	No data available
Octanol/Water Partition Coefficient	No data available
VOC Content	0% (EU, CH)
<b>FLAMMABLE PROPERTIES</b>	
Flammability (Solid, gas)	Not applicable
Drop Point deg C, D 566	130 deg c (+/0 5) Minimum
FlashPoint, (Cleaveland Open Cup), D 445	>200 °C (Minimum)(Base oil)
Autoignition	> 300 deg C Base Oil
<b>Flammability (Explosive) Limits (&amp; by volume in air)</b>	
Lower	LEL ≥ 45 g/m3
Upper	No data available
Penetration at 25° C, 1/0 of an mm	115 to 445



**SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity** This mixture does not offer any further hazard for reactivity, except what is reported in the following paragraphs

**Chemical Stability** Stable product

Possibility of hazardous reactions: None in normal conditions of storage and handling

**Incompatibility with Other Materials:** Not Strong oxidants

**Hazardous decomposition Products:** None known (none expected)

**Hazardous Polymerization:** Hazardous Polymerisation will not occur

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Information of toxicological effects

Serious eye damage/irritation Not classified (pH No data available)

Skin Corrosion/Irritation Not classified (pH No data available)

Skin Sensitization Not classified (pH No data available)

Additional information Not classified (pH No data available)

**Acute dermal toxicity** Not classified (pH No data available)

**Acute Oral Toxicity** Not classified (pH No data available)

**Acute Inhalation Toxicity** Not classified (pH No data available)

**Acute Toxicity Estimate** Not classified

**Germ Cell Mutagenicity** Not classified

**Carcinogenicity** Not classified

**Reproductive Toxicity** Not classified

**Specific Target Oxygen** Not classified

**Toxicity - Single Exposure** Not classified

**Specific Target Oxygen** Not classified

**Toxicity - Repeated Exposure** Not classified

**ADDITIONAL TOXICOLOGY INFORMATION**

This product must be regarded as non carcinogenic

**Lubricating Oil (Petroleum), C 24-50, solvent extracted, dewaxed, hydrogenated (101316-72-7)**

LD 50 oral rat	>50000 mg/kg API 1986
LD 50 dermal rabbit	>2000 mg.kg of BW (API 1986)
LC 50 inhalation (rat) ( mg/l)	2-18-5.53 mf/l/4H (API 1987)

**Residual Oil (Petroleum), C 24-50, solvent refined (64742-01-4)**

LD 50 oral rat	>50000 mg/kg API 1986
LD 50 dermal rabbit	2000-5000 mg.kg of BW (API 1986)
LC 50 inhalation (rat) ( mg/l)	2-18-5.53 mf/l/4H (API 1987)

**Distillates (Petroleum), hydrotreated heavy paraffinic (64742-54-7)**

LD 50 oral rat	>50000 mg/kg OECD 401
LD 50 dermal rabbit	>50000 mg/kg OECD 402
LC 50 inhalation (rat) ( mg/l)	5 mg/l/4H (OECD 403)

**Phosphorodithioic acid, mixed 0,0 bis (iso0Bu and pentyl) esters, zinc sales (68457-79-4)**

LD 50 oral rat	>36000 mg/kg OECD 401
LD 50 dermal rabbit	>20000 mg/kg OECD 402
LC 50 inhalation (rat) ( mg/l)	5 mg/l/4H (OECD 403)

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Lubricating Oil (Petroleum), C 24-50, solvent extracted, dewaxed, hydrogenated (101316-72-7)	
LOAEL (Oral, rat, 90 days)	125 mg/kg of BW/ day (OECD TG 408)
LOAEL (dermal, rat/rabbit, 90 days)	100 mg/kg of BW/ day (OECD 453)
NOAEL (dermal, rat/rabbit, 90 days)	1000-2000 mg/kg of BW/ day (OECD 410)
NOAEC (inhalation, rat, vapour, 90 days)	2220-1500 mg/m <sup>3</sup> (OECD 412)

Distillates (Petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LOAEL (Oral, rat, 90 days)	125 mg/kg of BW/ day (OECD TG 408)
Aspiration Hazard	Not classified
Additional information	Not classified

Ample MP Grease No. 2	
Viscosity , Kinematic,	91-99 cst at 40 deg C, base oil, D 445

**SECTION 12 - ECOLOGICAL INFORMATION**

<b>ECOTOXICITY</b>	This material is not expected to be harmful to aquatic organisms not to cause long term adverse effects in the 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 practises to avoid pollution and release into the environment. Notify authorities if product enters sewers or public waters
<b>Ecology water</b>	This products non soluble in waster and floats on water
<b>Hazardous to aquatic, short term</b>	Not classified
<b>Hazardous to aquatic, long term</b>	Not classified

Lubricating Oil (Petroleum), C 24-50, solvent extracted, dewaxed, hydrogenated (101316-72-7)	
LC50 fish 1	>100 mg/L (OECD 203)
EC 50 DPHNI	>10000 mg/L (OECD 202)
NOEC (Acute)	>100 mg/L (OECD 201)
NOEC Chronic Fash	>1000 mg/L (private method)
NOEC Chronic crustacea	>1000 mg/L (Private method)

Residual Oil (Petroleum), C 24-50, solvent refined (64742-01-4)	
LC50 fish 1	>100 mg/L (OECD 203)
EC 50 DPHNI	>10 g/L (OECD 202)

Distillates (Petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 fish 1	>100 mg/L (OECD 203)
EC 50 DPHNI	>10000 mg/L (OECD 202)

<b>Phosphorodithioic acid, mixed 0,0 bis (iso0Bu and pentyl) esters, zinc sales (68457-79-4)</b>	
LC50 fish 1	>4.5 mg/L (OECD 203)
EC 50 DPHNI	>23 mg/L (OECD 202)
EC 50 75 H Algae	>21 mg/L (OECD 202)

**POTENTIAL TO  
BIO ACCUMULATE**

Bio Concentration Factor                      No data available  
 Octanol/Water Partition Effect              No data available

**Environment**                                      None as per EC 435/2010

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

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

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose off in a manner consistent with applicable regulations. Contact your local environmental or health authorities for approved disposal or recycling methods. EWC is 13.02.05

**SECTION 14 - TRANSPORT INFORMATION**

The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) & mode-specific or quantity-specific shipping requirements

**UN Number**                                      Not dangerous goods in sense of transport regulations  
**DOT SHIPPING DESCRIPTION**              NOT REGULATED AS HAZARDOUS MATERIAL UNDER 49 CFR  
**IMO/IMDG Shipping Description**           NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE  
**ICAO/IATA Shipping Description**        NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:**              NOT APPLICABLE

**SECTION 15 - REGULATORY INFORMATION**

**EPCRA 311/312 CATEGORIES**              Not Applicable

**REGULATORY LISTS SEARCHED**

01-1 = IARC Group 1	05 = MA RTK
01-2A = IARC Group 2A	06 = NJ RTK
01-2B = IARC Group 2B	07 = PA RTK
02 - NTP Carcinogen	08-1 = TSCA 5e
03 - EPCRA 313	08-2 = tsca 12(B)
04 = CA Proposition 65	

No REACH Annex XVII restrictions

The following components of this material are found on the regulatory lists indicated.

Distillates, hydrotreated heavy paraffinic	05,06,07
Ethoxylated nonylphenol (REACH)	EC polymer CAS 9016459
Relevant EU Legislation	Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18/12/06 concerning Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulation (EC) No. 1272/2008 of European parliament and of the council of 16/12/08 on classification, labelling and packaging of substances and mixtures, amending and repealing directive 67/548/EC and 1999/45/EC and amending regulation (EC) no. 1907/2006

Directives 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CEE, 97/42/CE, 98/24/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2003/10/CE, 2003/18/CE (health and safety on the workplace)  
Directive 98/24/EC Protection of health and safety of workers from risk related to chemical agents at work  
Directive 92/85/CE - measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.  
Directives 96/82/CE and 2003/105/CE - control of major accident hazards involving dangerous substances  
Directive 2004/42/CE limitation of emissions of VOC  
Labelling according to directives of 67/548/EEC and 1999/45/EC  
13 02 05      **VOC Content** 0% (EU, CH)

EURAL Code

Chemical safety assessment

**For the following substances of this mixture a chemical safety assessment has been carried out**

Mineral base oil, severely refined

Phosphorodithioic acid, mixed O,O-bis(1,3 dimethylbutyl and iso-Pr) esters, zinc salts

Phenolm dodecyl, branched, sulfurized

Benzenesulfonic acid, mono C16-24 alkyl derivatives, calcium salts

#### CHEMICAL INVENTORIES

All components comply with the following chemical inventory requirements:

AIIC (Australia), DSL (Canada), ENCS (Japan), KECI (Korea), NZIoC (New Zealand),

PICCA (Philippines) TCSI (Taiwan), TSCA (United States)

One or more components is listed on ELINCS (European Union). All other components are listed or exempted from listing on EINECS

#### NEW JERSEY RTK CLASSIFICATION

Under the New Jersey Right-to-Know Act L 1983 Chapter 315 N.J.S.A 34:5A-1 et.seq., the product is to be identified as follows:      PETROLEUM OIL (Motor Oil)

#### SECTION 16 - OTHER INFORMATION

**NFPA RATINGS**                      HEALTH      0      FLAMMABILITY      1      REACTIVITY      0

**HMIS Ratings**                      HEALTH      0      FLAMMABILITY      1      REACTIVITY      0

(0-Least, 1-Slight, 2 -Moderate, 3 -High, 4- Extreme, PPE - Personal Protection Equipment Index recommendation; \* Chronic Effect Indicator. These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA- USA) or the National Paint and Coating Association (for HMIS Ratings)

REVISION STATEMENT:      This is a new Safety Data Sheet. No revision information

**Revision date:** 30 June 2022

Revision No. New

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

TLV - Treshold Limit Value	TWA - Time weighted average
STEL - Short term exposure limit	PEL - Permission expsoure limit
GHS - Globally Harmonized System	CAS - Chemical abstract service number
ACGIH -Americal conference on governmental	IMO/IMDG - International Maritime Dangerous
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 - Occupational Safety and Health
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 - susbtance of unkonw or variable composition, complex reaction products of bio materials	
WAF - Water accomodated fraction	

**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 Irrt. 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 acquatic life
H 410	Very toxic to acquatic life with long lasting effects
H 411	Toxic to acquatic 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

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

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose

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