MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **SCOPE METRIC GRADES** SAE **ALL**

Product Use Diesel Engine Oils **ALL 0WXX, 5WXX, 10WXX GRADES**

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

Transportation Emergency Response	**Health Emergency**	**Product Information**
(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) **Eye Irrit 2 H 319**

Hazard Pictograms (CLP)

GHS 07

CLP Signal word	Warning
Hazardous Ingredients and/or with relevant occupational exposure limits	Contains: Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts
Hazardous Statements (CLP)	H 319 - Causes serious eye irritation
Precautionary statements (CLP)	P102 - Keep out of reach of children P280 - Wear eye protection P305+P351+P338 - IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: get medical advice/attention
EUH Phrases	EUH208 - Contains calcium sulphonate - may produce an allergetic reaction
Other General Advice	(Not applicable - Classified as dangerous according to EC No 1272/2008)

This substance/mixuture does not meet the PBT criteria of REACH, Annex III

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

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

Composition/information on ingredients	Synthetic base stock (Polyolefins) Synthetic base oil (ester) Mineral base oil, severely refined (diluent for additives) Additives
Hazardous ingredients and/or with relevant occupational exposure limits	See table ------ The substances identified as IMPURITY are impurities and/or secondary reaction products in the components, and are not added deliberately to the final product

Components/Name	Product Identifier	%	Classification according to 67/548/EEC
Mineral base oil, severely refined (main component)		9.99 - 14.99	Not classified
Phosphorodithioic acid, mixed o,o-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts (Additives)	CAS 84605-29-8 EC 283-392-8 EC Index No. N/A REACH No. 01211949362626	0.99-1.49	Xi: R41 Xi: R 38 N: R51/53
Reaction mass of isomers of C7-9 alkyl 3-(3,5 di-trans-butyl-4-hydroxyphenyl) propionate (Additive)	CAS 125643-61-0 EC 406-040-9 EC Index 607-530-00-7 REACH No. N/D	0.99-1.49	R53
Benzene, mono C-10-13 alkyl derivatives, fractionation bottoms, heavy ends, sulfonated, calcium salts (additive)	CAS 148520847 EC No. NA EC Index NA REACH No. N/D	0.99-1.49	R 43
Ethoxylated nonyphenol (additive) substance listed as REACH candidate (4-Nonylphenol) branched and linear, ethxylated)	CAS 9016 45 9 EC No. Polymer EC Index NA REACH No. N/D	0.49 to 0.99	Xn: R22 Xi: R41 N:R51/53
Alkylated diphenylamines (Additive)	CAS : N/a EC No. NA EC Index NA REACH No. N/D	0.49 to 0.99	R 53
Phenol, dodecyl-, branched, sulfurized (additive)	CAS 96152431 EC No. 3061155 EC Index NA REACH No. 01211949261628	0.149 - 0.249	R 53

Components/Name	Product Identifier	%	Classification according to 67/548/EEC
Benzenefulfonic acid, mono - C16-24 alkyl derivs., calcium salts (Additive)	CAS 70024690 EC No. 2742637 EC Index NA REACH No. 01211949261628	0.149 - 0.19	R 43
Dodecylphenol, mixed isomers, branched (IMPURITY)	CAS 121158585 EC No. 3101543 EC Index NA REACH No. 01211951320749	0.149 - 0.19	Repr. Cat 3: R62 Xi: R36/38 N:R50/53
Components/Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Mineral base oil, severely refined (main component)		9.99 - 14.99	Not classified
Phosphorodithioic acid, mixed o,o-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts (Additives)	CAS 84605-29-8 EC 283-392-8 EC Index No. N/A REACH No. 01211949362626	0.99-1.49	Skin Irrit. 2, H 315 Eye Dam. 1, H 318 Aquatic Chronic: 2, H441
Reaction mass of isomers of C7-9 alkyl 3-(3,5 di-trans-butyl-4-hydroxyphenyl) propionate (Additive)	CAS 125643-61-0 EC 406-040-9 EC Index 607-530-00-7 REACH No. N/D	0.99-1.49	Aquatic Chronic: 2, H413
Benzene, mono C-10-13 alkyl derivatives, fractionation bottoms, heavy ends, sulfonated, calcium salts (additive)	CAS 148520847 EC No. NA EC Index NA REACH No. N/D	0.99-1.49	Skin Sens. 1A, H 317

Components/Name	Product Identifier	%	Classification according to 67/548/EEC
Ethoxylated nonyphenol (additive) substance listed as REACH candidate (4-Nonylphenol) branched and linear, ethxylated)	CAS 9016 45 9 EC No. Polymer EC Index NA REACH No. N/D	0.49 to 0.99	Acute Toxic 4 (Oral), H 302 Eye Dam. 1, H 318 Aquatic Chronic: 2, H441
Alkylated diphenylamines (Additive)	CAS : N/a EC No. NA EC Index NA REACH No. N/D	0.49 to 0.99	Aquatic Chronic: 2, H412
Phenol, dodecyl-, branched, sulfurized (additive)	CAS 96152431 EC No. 3061155 EC Index NA REACH No. 01211949261628	0.149 - 0.249	Aquatic Chronic: 2, H413
Benzenefulfonic acid, mono - C16-24 alkyl derivs., calcium salts (Additive)	CAS 70024690 EC No. 2742637 EC Index NA REACH No. 01211949261628	0.149 - 0.19	Skin Sens. 1A, H 317
Dodecylphenol, mixed isomers, branched (IMPURITY)	CAS 121158585 EC No. 3101543 EC Index NA REACH No. 01211951320749	0.149 - 0.19	Skin Irrit. 2, H 315 Eye Irrit. 2, H 319 Repr 2, H 316f Acuatic Acute 1, H 400 Aquatic Chronic, 1, H 410

For full text of R-, H- and EUH Phrases: See section 16

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

Eye No specific first aid measures are required. As a precaution, remove contact lenses if worn, and flush eyes with water for 15 minutes. Eye Irritant as per EC 1272/2008 (CLP)
EYE IRRIT 2 H 319 (Full text of H-Phrases - see section below)
In case of spontaneous vomitting, transport the victim to a hospital, to verify the possibility that the product has been aspired into the lungs. Keep eye lids apart while flushing

Skin No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before re-use. Prolonged and repeated skin contact may cause reddening, irritation and dermatitis. Any material in case of accidents involving pressurized circults and the like, may be accidentally injected under the skin, even without external damage. In such a ase, the victim should be brought to a hospital as soon as possible, to get specialized medical treatment. Do not wait for symptoms to develop. Body hypotermia should be avoided; do not put ice on the burn

Ingestion No specific first aid measures are required. DO NOT induce vomitting. As a precaution, get medical advice. In case of disturbances owing to inhalation of vapors or mists remove the victim from exposure; keep at rest.. Keep head low to avoid this risk. DO not give anything my mouth to an unconscious person

Inhalation No specifc first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs

Classification according to Directive 67/548/EEC or 19999/45/EC - Not classified

Mot important symptoms and effects, both acute and delayed

IMMEDIATE HEALTH EFFECTS

Eye Injurious to the Eyes. Eye irritant 2 H 319 Contact with hot products may cause burns

Skin Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin

Ingestion May cause irritation, nausea and gastric disturbances. Ingestion of large quantities unlikely

Inhalation Not expected to be harmful if inhaled. Contains a synthetic hydrocarbon oil. May cause respiratory irritation or other pulmoary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure level. Symptoms of respiratory irritation may include coughing and difficulty in breathing

DELAYED OR OTHER HEALTH EFFECTS Not classified Intravenous adminstration: No information

Indication of any immediate medical attention and special treatment needed If there is any suspicion of inhalation of H2S, the victim should be sent to hospital. Immediately begin artificial respiration is breathing has ceased. Administer Oxygen if necessary

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA Use water fog, foam, dry chemical power, sand/earth or carbon dioxide to extinguish flames

UNSUITABLE EXTINGUISHING MEDIA Do not use water jets They could cause splattering, and spread the fire. Simultaneous use of foam and water on the same surface is to avoided as water destroys the foam

PROTECTION OF FIRE FIGHTERS

Fire Fighting Instructions This material will burn although it is not easily ignited. See section7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus

Combustion Products Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of:

Nitrogen, Sulfur, Aldehyders, Calcium , Zinc and Phosphorous

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protective Measures	Eliminate all sources of ignition in vicinity of spilled material. Keep upwind
Spill Management	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or ground water. Clean up spill as soon as possible, observing precautions in Exposure Control/ Personal protection section. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated material in disposal containers and dispose off in a manner consistent with applicable local regulations, Avoid going to water bodies
Reporting	Report spills to local authorities as appropriate or required

SECTION 7 HANDLING AND STORAGE

General Handling Information	Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water
Precautionary Measures	Keep out of reach of children
Static Hazard	Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vaccum truck operations) and use appropriate mitigating procedures
Container Warnings	Container is not designed to contain pressures. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid,liquid and/or vapour) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed off properly
Handling Temperature	0 to 65 deg C **Storage temperaure** 0 to 55 deg C

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS

Consider the potential hazards of this material (See Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS

Use in a well ventilated area. Check levels of O2, flammability and Sulfur before entering confined area

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection Face shie/d/Safety glasses is normally promoted. Where splashing is possible, wear safety glasses with side shields as a good safety practice

Skin Protection No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include:
4H (PE/EVAL), Nitrile rubber, Silver shield, Viton

Respiratory Protection No respiratory protection is normally required
If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators, use a particulate cartridge
Use a positive presure air-supplying respirator in circumstances where air purifying respirators may not provide adequate protection

Occupational Exposure Limits:

Component	Agency	Form	TWA	STEL	Ceiling	Notation
Distillates, hydrotreated heavy paraffinic	ACGIH	--	5 mg/m3	10 mg/m3	--	--
Distillates, hydrotreated heavy paraffinic	OSHA Z-1	Mist	5 mg/m3	--	--	--
Distillates, hydrotreated heavy paraffinic	OSHA Z-1	--	5 mg/m3	--	--	--
Distillates, hydrotreated heavy paraffinic, DMSO <3%	Most of Europe	Mist	5-10 mg/m3	--	--	--

Mineral base oil, severly refined	
DNEL/DMEL (workers)	
Long term - systemic effects, inhalation	=5.4 mg/m3/day (DNEL - mineral oil mist- severly refined, DMSO < 3 % m/m
DNEL/DMEL (General Population)	
Long term - systemic effects, inhalation	=1.2 mg/m3/day (DNEL - mineral oil mist- severly refined, DMSO < 3 % m/m

Please consult local authorities for appropriate values

Phosphorodithioc acid, mixed O,O-bis(1,3 dimethylbutyl and iso-Pr) esters, zinc salts (84605-29-8)	
DNEL/DMEL (workers)	
Long Term - systemic effects, dermal	12.1 mg/kg of body weight/day
Long term - systemic effects, inhalation	3.526 mg/m3
PNEC (Water)	
PNEC aqua (freshwater)	0.25 mg/l
PNEC aqua (Marine water)	0.024 mg/l
PNEC aqua (intermittent, fresh water)	2.5 mg/l

PNEC (SOIL)	
PNEC Soil	0.0548 mg/kg DWT

Phenol, dodcyl-, branded, sulfurized (96152-43-1)	
DNEL/DMEL (workers)	
Acute - systemic effects, dermal	80 mg/kg of body weight/day
Acute - systemic effects, inhalation	6.68 mg/m3
Long term- systemic effecs, derman	1.04 mg/kg of body weight/day
Long term - systemic effects, inhalation	8.31 mg/m3
PNEC (Water)	
PNEC aqua (freshwater)	0.004 mg/l
PNEC aqua (Marine water)	0.0046 mg/l
PNEC (Sediment)	
PNEC Sediment (fresh water)	545.4 mg/kg DWT
PNEC Sediment (Marine water)	54.54 mg/kg DWT
PNEC (SOIL)	
PNEC Soil	441 mg/kg dwt
PNEC (Oral)	
PNEC Oral (secondary poisoning)	26667 mg/kg food
PNEC (STP)	
PNEC Sewage Treatment Plant	1000 mg/m3

Benzenesulfonic acid, mono-C16-C24 alkyl derivs, calcium salts (70024-69-0)	
DNEL/DMEL (workers)	
Long term, local effects, dermal	1.03 mg/cm2
Long term- systemic effecs, dermal	3.33 mg/kg of body weight/day
Long term - systemic effects, inhalation	11.75 mg/m3
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (Marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	10 mg/l
PNEC (Sediment)	
PNEC Sediment (fresh water)	545.4 mg/kg DWT
PNEC Sediment (Marine water)	54.54 mg/kg DWT
PNEC (Oral)	
PNEC Oral (secondary poisoning)	16667 mg/kg food
PNEC (STP)	
PNEC Sewage Treatment Plant	1000 mg/l

PPE (for industrial and professional use)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

Color	Brown to Yellow
Physical State	Liquid
Odor	Petroleum Odor
Odor Threshold	No data available
pH	Not applicable
Vapor Pressure	≤ 0.1 hPa (20 deg C)
Vapor Density (Air=1)	No data available
Initial Boiling Point	No data available
Solubility	Soluble in hydrocarbons, insoluble in water
Freezing Point	Not applicable
Melting Point	No data available
Density	0.85 -0.88 kg/L @ 15°C (59°F) (Typical)
Viscosity	3.8 to 5.6 mm^2/s @ 100 °C (Typical)
Coefficient of Thermal expansion/^{0}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)
FLAMMABLE PROPERTIES	
Flammability (Solid, gas)	Not applicable
FlashPoint, (Cleaveland Open Cup)	205 °C (Minimum)
Autoignition	More than 300 deg C
Flammability (Explosive) Limits (& by volume in air)	
Lower	LEL ≥ 45 g/m3
Upper	No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. resulting in fire/explosive mass
Chemical Stability	This material is considered stable under normal ambient and anticipated and handling conditions of temperature and pressure

Incompatibility with Other Materials: Not applicable

Hazardous decomposition Products: None known (none expected)

Hazardous Polymerization: Hazardous Polymerisation will not occur

SECTION 101 - TOXICOLOGIAL INFORMATION

Information of toxicological effects

Serious eye damage/irritation	The eye irritation hazard is based on evaluation of data for product components
Skin Corrosion/Irritation	The skin corrosion/irritation hazard is based on evaluation of data for for product components
Skin Sensitization	The skin sensitization hazard is based on evaluation of data for for product components

SECTION 11 - TOXICOLOGIAL INFORMATION (Contd from previous page)

Acute dermal toxicity	The acute dermal toxicity hazard is based on evaluation of data for product components(≥2000 mg/kg of BW)
Acute Oral Toxicity	The acute Oral toxicity hazard is based on evaluation of data for product components(≥2000 mg/kg of BW)
Acute Inhalation Toxicity	The acute inhalation toxicity hazard is based on evaluation of data for product components(≥5mg/l/4h))
Acute Toxicity Estimate	Not determined(≥2000000 mg/kg of BW)
Germ Cell Mutagenicity	The hazard evalution is based on data for components or a similar material. In any case, ≤0.1wt% of any EU notified mutagenic
Carcinogenicity	The hazard evalution is based on data for components or a similar material. DMSO is less than 3 wt%
Reproductive Toxicity	The hazard evalution is based on data for components or a similar material. Dodecylphenol classified as toxic for reproduction by EU
Specific Target Oxygen Toxicity - Single Exposure	The hazard evalution is based on data for components or a similar material
Specific Target Oxygen Toxicity - Repeated Exposure	The hazard evalution is based on data for components or a similar material

ADDITIONAL TOXICOLOGY INFORMATION

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continued exposure. Brief or intermittent skin contact with used motor oil is not expeced to have serious effects in humans if the oil is thoroughly removed by washing with soap and water

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY	This material is not expected to be harmful to aquatic organisms This product has not been tested. The statement has been derived from the properties of individual components
MOBILITY	No data available
PERSISTENCE AND DEGRADABILITY	This material is not expected to be readily biodegradable. Ths product has not been tested. The statement has been derived from the properties of the individual components. In exceptional cases, (i.e. prolonged storage in tanks contaminated with water, and presence of anaerobic sufate-reducing microbial colonies), the product may undergo a degradation and generate small amounts of sulfur compounds, including H2S. See separate section 16

LC 50 Fish 1	≥100 mg/l (calculated data). As provided by suppliers
EC 50 Daphnia 1	≥100 mg/l (calculated data). As provided by suppliers
ErC50 (algae)	≥100 mg/l (calculated data). As provided by suppliers

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 & 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) and 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 the Registration, Evalulation, Auhtorization and Restriction of Chemicals (REACH) Regulation (EC) No. 1272/2008 of European parliament and of the councfil 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 or 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 amd 1999/45/EC

EURAL Code 13 02 05 **VOC Content** 0% (EU, CH)

Chemical safety assessment

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

Mineral base oil, severely refined
Phosphorodithioic acid, mixed O,O-bis(1,3 dmethylbutyl 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), PICCS (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 preparted 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

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 industrial Hygenine	IMO/IMDG - International Maritime Dangerous Goods Code
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 Administration
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 accommodated 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	Skincorrosion/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 acqualic 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 avaialble 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