

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Name of the substance** HyGold 5000BS  
**Identification number** 649-470-00-4 (Index number)  
**Registration number** 01-2119489287-22  
**Synonyms** None.

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Metalworking Fluids, Industrial Lubricants, Grease Manufacturing, Hydraulic Oils, Gear Oils, Heavy Duty Engine Oil, Bar & Chain, Carriers & Diluents, Engine Oil.  
**Uses advised against** None known.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer:** Ergon, Inc.  
P.O. Box 1639  
Jackson, MS 39181 USA  
**EU Contact:** Ergon International, Inc.  
Drève Richelle 161 Building C  
B-1410 Waterloo, Belgium

**Emergency Phone****Numbers:**

**US Customer Service:** + 1-800-222-7122  
**Chemtrec:** + 1-800-424-9300 After Business Hours (North America)  
+ 1-703-527-3887 (International),  
+32-28083237 (Belgium)  
+33-975181407 (France)  
+49-69643508409 (Germany)  
+39-0245557031 (Italy)  
+34-931768545 (Spain)

**E-mail:** sds@ergon.com

**Poison Centre (Centre Antipoisons - Belgium):** +32022649636

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 as amended**

This substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

**2.2. Label elements****Label according to Regulation (EC) No. 1272/2008 as amended**

**Hazard pictograms** None.  
**Signal word** None.  
**Hazard statements** The substance does not meet the criteria for classification.

**Precautionary statements**

**Prevention** Observe good industrial hygiene practices.  
**Response** Wash hands after handling.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information** None.

**2.3. Other hazards**

This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII. The substance is not considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. The substance is not included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
RESIDUAL OILS (PETROLEUM), HYDROTREATED	<=100	64742-57-0 265-160-8	01-2119489287-22	649-470-00-4	
Classification: -					L

**Composition comments** Note L - Not classified as a carcinogen. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

## SECTION 4: First aid measures

#### General information

Contact physician if discomfort continues.

#### 4.1. Description of first aid measures

##### Inhalation

Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.

##### Skin contact

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.

##### Eye contact

Flush thoroughly with water. If irritation occurs, get medical assistance.

##### Ingestion

Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

Defatting of the skin.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

#### General fire hazards

No unusual fire or explosion hazards noted.

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Halon. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.

##### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

No unusual fire or explosion hazards noted.

#### 5.3. Advice for firefighters

##### Special protective equipment for firefighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

##### Special fire fighting procedures

Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.

## SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### For non-emergency personnel

Not available.

##### For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections

Never return spills in original containers for re-use.

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Bulgaria. OELs. Ordinance No 13 on protection of workers against risks of exposure to chemical agents at work, as amended

Material	Type	Value
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3
Components	Type	Value
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3

**Czech Republic. Occupational exposure limit values of chemicals at work (Decree on protection of health at work, 361/2007, Annex 2, Part A & Annex 3, Part A, as amended)**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	Ceiling	10 mg/m3	Aerosol.
	TWA	5 mg/m3	Aerosol.
<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	Ceiling	10 mg/m3	Aerosol.
	TWA	5 mg/m3	Aerosol.

**Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	2 mg/m3	Mist.
	TLV	1 mg/m3	Mist.
<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	STEL	2 mg/m3	Mist.
	TLV	1 mg/m3	Mist.

**Finland. HTP-arvot, App 3., Binding Limit Values, Social Affairs and Ministry of Health**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Mist.
<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Mist.

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as updated**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Respirable fraction.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Respirable fraction.

**Greece. OELs, Presidential Decree No. 307/1986, as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Mist.

**Hungary. OELs. Decree on protection of workers exposed to chemical agents (5/2020. (II.6)), Annex 1&2, as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Mist.

**Iceland. OELs. Regulation 390/2009 on Pollution Limits and Measures to Reduce Pollution at the Workplace, as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	1 mg/m3	Mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	1 mg/m3	Mist.

**Ireland. OELVs, Schedules 1 & 2, Code of Practice for Chemical Agents and Carcinogens Regulations**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Inhalable fraction.

**Italy. OELs (Legislative Decree n.81, 9 April 2008), as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Inhalable fraction.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Inhalable fraction.

**Latvia. OELs. Occupational Exposure Limits of Chemical Substances at Workplace (Reg. No. 325/ 2007, L.V. 80, Annex 1), as amended**

Material	Type	Value
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3

**Latvia. OELs. Occupational Exposure Limits of Chemical Substances at Workplace (Reg. No. 325/ 2007, L.V. 80, Annex 1), as amended**

Components	Type	Value
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3

**Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

**Netherlands. OELs per Annex XIII of Working Conditions Regulation (Staatscourant no. 252, 29 December 2006), as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Mist.

**Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TLV	1 mg/m3	Mist.

**Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Inhalable fraction.

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Inhalable fraction.

Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Inhalable fraction.

**Romania. OELs. Limit Values of Chemical Agents at Workplace (Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as amended)**

Material	Type	Value
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	10 mg/m3

Components	Type	Value
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3
	STEL	10 mg/m3



**Slovakia. OELs. Maximum permissible exposure limits for chemical factors in workplace air (Regulation No 355/2006, Annex 1, Table 1, as amended)**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	3 mg/m3	Fume and mist.
		15 ppm	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
		5 ppm	Fume and mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	STEL	3 mg/m3	Fume and mist.
		15 ppm	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
		5 ppm	Fume and mist.

**Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

**Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.

**Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended**

Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.

**Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte**

Material	Type	Value	Form
Residual oils (petroleum), hydrotreated; Baseoil — unspecified [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly gr	TWA	5 mg/m3	Inhalable fraction.
Components	Type	Value	Form
RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)	TWA	5 mg/m3	Inhalable fraction.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines**

**Austria MAK: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Belgium OELs: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Croatia ELVs: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Czech Republic PELs: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Denmark GV: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Estonia OELs: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**EU. OELs from Annex III, Part A to Directive 2004/37/EC: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**France Mandatory OELs (VLEP): Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Iceland OELs: Skin designation**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0) Can be absorbed through the skin.

**Ireland Exposure Limit Values: Skin designation**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**Lithuania OELs: Skin designation**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**Netherlands OELs (binding): Skin designation**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**Romania OELs: Skin designation**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**Slovakia OELs for Carcinogens and Mutagens: Skin designation**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**Slovenia. CMR. Protection of workers from exposure to carcinogen and mutagen agents (ULRS 101/2005, as amended)**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**Sweden Threshold Limit Values: Skin designation**RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Can be absorbed through the skin.

**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Individual protection measures, such as personal protective equipment****General information**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection**

Goggles/face shield are recommended. Eye protection should meet standard EN 166.

**Skin protection****- Hand protection**

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. When prolonged or frequent repeated contact occurs, Nitrile gloves may be suitable. (Breakthrough time of &gt; 240 minutes.) For incidental contact/splash protection Neoprene, PVC gloves may be suitable. Wear suitable gloves tested to EN374.

**- Other**

Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

**Respiratory protection**

Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state**

Liquid.

**Form**

Liquid.

**Color**

Light Amber to Golden

**Odor**

Mild Petroleum Odor

**Melting point/freezing point**

16 °F (-8,89 °C) ASTM D5950 (typical)

**Boiling point or initial boiling point and boiling range**

&gt;700 °F (&gt;371,11 °C) ASTM D2887/ ISO 3294

**Flammability**

Will burn if involved in a fire.

**Upper/lower flammability or explosive limits****Explosive limit - lower (%)**

Not available.

**Explosive limit - upper (%)**

Not available.

**Flash point**

≥540,0 °F (≥282,2 °C) Cleveland Open Cup ASTM D92/ ISO 2592

<b>Auto-ignition temperature</b>	>600 °F (>315,56 °C) ASTM E659
<b>Decomposition temperature</b>	Property has not been measured.
<b>pH</b>	Property has not been measured.
<b>Kinematic viscosity</b>	≥38,1 mm <sup>2</sup> /s
<b>Solubility</b>	
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water) (log value)</b>	Not established.
<b>Vapor pressure</b>	Property has not been measured.
<b>Density and/or relative density</b>	
<b>Relative density</b>	0,92 (60 °F (15,56 °C) ASTM D4052)
<b>Vapor density</b>	>5
<b>Particle characteristics</b>	
<b>Particle size</b>	Not applicable, material is a liquid.
<b>9.2. Other information</b>	
<b>9.2.1. Information with regard to physical hazard classes</b>	No relevant additional information available.
<b>9.2.2. Other safety characteristics</b>	
<b>Viscosity</b>	1010 cSt (104 °F (40 °C) ASTM D445/ ISO 3014)

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Strong oxidizing agents.
<b>10.2. Chemical stability</b>	Stable.
<b>10.3. Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>10.4. Conditions to avoid</b>	Avoid temperatures exceeding the flash point.
<b>10.5. Incompatible materials</b>	Strong oxidizing agents.
<b>10.6. Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## SECTION 11: Toxicological information

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	May be harmful if inhaled. However, this product does not currently meet the criteria for classification.
<b>Skin contact</b>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Eye contact</b>	May be irritating to eyes.
<b>Ingestion</b>	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.
<b>Symptoms</b>	Defatting of the skin. Exposure may cause temporary irritation, redness, or discomfort.
<b>11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008</b>	
<b>Acute toxicity</b>	Not classified.
<b>Skin corrosion/irritation</b>	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not classified.
<b>Germ cell mutagenicity</b>	Non-mutagenic based on Modified Ames Assay.
<b>Carcinogenicity</b>	Note L - Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.
<b>Reproductive toxicity</b>	Contains no ingredient listed as toxic to reproduction.
<b>Specific target organ toxicity - single exposure</b>	Not classified.

**Specific target organ toxicity  
- repeated exposure** Not classified.

**Aspiration hazard** Not classified.

**Mixture versus substance  
information** Not available.

#### 11.2. Information on other hazards

**Endocrine disrupting  
properties** This substance does not have endocrine disrupting properties with respect to human health, as it does not meet the assessment criteria laid out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605.

**Other information** Not available.

### SECTION 12: Ecological information

**12.1. Toxicity** Not expected to be harmful to aquatic organisms.

**12.2. Persistence and  
degradability** Not inherently biodegradable.

**12.3. Bioaccumulative  
potential** Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

**Partition coefficient  
n-octanol/water (log Kow)** Not established.

**Bioconcentration factor  
(BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and  
vPvB assessment** This substance does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Endocrine disrupting  
properties** This substance does not have endocrine disrupting properties with respect to the environment, as it does not meet the assessment criteria laid out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605.

**12.7. Other adverse effects** Oil spills are generally hazardous to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Residual waste** Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

**EU waste code** Not applicable. Waste codes should be assigned by the user based on the application for which the product was used.

**Disposal  
methods/information** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

### SECTION 14: Transport information

#### ADR

**14.1. UN number** Not regulated as dangerous goods.

**14.2. UN proper shipping  
name** Not regulated as dangerous goods.

#### 14.3. Transport hazard class(es)

**Class** Not assigned.

**Subsidiary hazard** -

**Hazard No. (ADR)** Not assigned.

**Tunnel restriction  
code** Not assigned.

**14.4. Packing group** -

**14.5. Environmental  
hazards** No.

**14.6. Special precautions  
for user** Not assigned.

#### RID

**14.1. UN number** Not regulated as dangerous goods.

**14.2. UN proper shipping  
name** Not regulated as dangerous goods.

#### 14.3. Transport hazard class(es)

**Class** Not assigned.

Subsidiary hazard	-
14.4. Packing group	-
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

#### ADN

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary hazard	-
14.4. Packing group	-
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

#### IATA

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary hazard	-
14.4. Packing group	-
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not assigned.

#### IMDG

14.1. UN number	Not regulated as dangerous goods.
14.2. UN proper shipping name	Not regulated as dangerous goods.
14.3. Transport hazard class(es)	
Class	Not assigned.
Subsidiary hazard	-
14.4. Packing group	-
14.5. Environmental hazards	
Marine pollutant	No.
EmS	Not assigned.
14.6. Special precautions for user	Not assigned.

14.7. Maritime transport in bulk according to IMO instruments	Not established.
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General information	Not regulated as dangerous goods.
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## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**  
Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**  
Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorizations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use, as amended - Conditions of restriction given for the associated entry number should be considered**

Not listed.

**Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex I, as amended**

Not listed.

**Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex II, as amended**

Not listed.

#### Other EU regulations

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended**

RESIDUAL OILS (PETROLEUM), HYDROTREATED (CAS 64742-57-0)

#### Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EU) 2020/878.

Directive 2012/18/EU on major accident hazards involving dangerous substances: Part 2 (Named dangerous substances) - 34. Petroleum products and alternative fuels.

#### National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

Germany: WGK 1

#### France regulations

**France INRS Table of Occupational Diseases**

RESIDUAL OILS (PETROLEUM), HYDROTREATED  
(CAS 64742-57-0)

Affections provoquées par les huiles et graisses d'origine minérale  
ou de synthèse 36

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: Other information

#### List of abbreviations

Not available.

## References

Chemical Abstracts Service Registry Handbook  
CRC: Handbook of Chemistry and Physics  
International Labour Organization  
International Maritime Organization Marine Pollutants List  
NFPA Hazardous Chemical Data Sheets  
NIOSH Pocket Guide  
Registry of Toxic Effects of Chemical Substances (RTECS)  
US DOT Hazardous Materials Regulations  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
ACGIH  
IARC Monographs. Overall Evaluation of Carcinogenicity  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base

## Information on evaluation method leading to the classification of mixture

Not applicable.

## Full text of any statements, which are not written out in full under sections 2 to 15

None.

## Revision information

Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Disclosure Overrides  
Exposure Controls / Personal Protection: OELs  
Physical & Chemical Properties: Multiple Properties  
Toxicological Information: Toxicological Property Data  
HazReg Data: Pacific Rim  
GHS: Classification

## Training information

Follow training instructions when handling this material.

## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.