

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Trade name or designation of the mixture	HyGold Atlas L500
Registration number	01-2119467170-45
Synonyms	None.
1.2. Relevant identified uses o	f 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 t	the safety data sheet
Company:	Ergon, Inc.
Address:	P.O. Box 1639
	Jackson, MS 39215
E-mail:	sds@ergon.com
Emergency Contacts	
Customer service:	1-800-222-7122
CHEMTREC:	1-800-424-9300 After Business Hours (North America Only)
	1-703-527-3887 After Business Hours (International)

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	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
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

3.2. Mixtures

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Distillates (petroleum), hydrotreated heavy naphthenic	<=100	64742-52-5 265-155-0	01-2119467170-45	649-465-00-7	
Classification:	-				L

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 me	asures
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 centre 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 (CO2). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
5.2. Special hazards arising	No unusual fire or explosion hazards noted.

5.2. Special hazards arising from the substance or mixture

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 pressurised air mask if product is involved in a

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

fire.

our reisonal precautions, pro	ective 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 and 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.
	Never return spills in original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13.
SECTION 7: Handling and	d storage

7.1. Precautions for safe handling Do not breathe dust/fume/gas/mist/vapours/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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium	Exposure	l imit	Value
Deigiuiii.	Exposure	LIIIIIL	value

Belgium. Exposure Limit Value Material	Туре	Value	Form
HyGold Atlas L500	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Bulgaria. OELs. Regulation No Material	13 on protection of workers ag Type	gainst risks of exposure to Value	chemical agents at worl
HyGold Atlas L500	TWA	5 mg/m3	
Components	Туре	Value	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	
Denmark. Exposure Limit Valu Material	es Type	Value	Form
HyGold Atlas L500	TLV	1 mg/m3	Mist.
Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TLV	1 mg/m3	Mist.
Finland. Workplace Exposure I Components	Limits Type	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Mist.
Greece. OELs (Decree No. 90/	1999, as amended)		
Material	Туре	Value	Form
HyGold Atlas L500	TWA	5 mg/m3	Mist.
Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Mist.
Hungary. OELs. Joint Decree o Material	n Chemical Safety of Workplac Type	es Value	Form
HyGold Atlas L500	Ceiling	5 mg/m3	Mist.
Components	Туре	Value	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	
	/1999 on occupational exposu	re limits	
Iceland. OELs. Regulation 154 Material	Туре	Value	Form

	Туре	Value	Form
Distillates (petroleum), nydrotreated heavy naphthenic (CAS 54742-52-5)	TWA	1 mg/m3	Mist.
Ireland. Occupational Exposure Limits Material	Туре	Value	Form
HyGold Atlas L500	TWA	5 mg/m3	Inhalable fraction.
Italy. Occupational Exposure Limits Material	Туре	Value	Form
HyGold Atlas L500	TWA	5 mg/m3	Inhalable fraction.
Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Latvia. OELs. Occupational exposure lin Components	mit values of chemical s Type	substances in work envir Value	onment
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	
Lithuania. OELs. Limit Values for Chen Material	nical Substances, Gene Type	ral Requirements Value	Form
HyGold Atlas L500	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Components	Туре	Value	Form
Distillates (petroleum), nydrotreated heavy naphthenic (CAS 54742-52-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.
Netherlands. OELs (binding)	T	Malaa	Farm
Material	Туре	Value	Form
HyGold Atlas L500	TWA	5 mg/m3	Mist. Form
Components	Туре	Value	
Distillates (petroleum), nydrotreated heavy naphthenic (CAS 54742-52-5)	TWA	5 mg/m3	Mist.
	taminants in the Work Type	olace Value	Form
-			
Material	TLV	1 mg/m3	Mist.
Material HyGold Atlas L500	TLV Type	1 mg/m3 Value	Mist. Form
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS		-	
Norway. Administrative Norms for Con Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Poland. Ordinance of the Minister of La concentrations and intensities of harm Material	Type TLV abour and Social Policy	Value 1 mg/m3 on 6 June 2014 on the m	Form Mist. aximum permissible

concentrations and intensities Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy haphthenic (CAS h4742-52-5)	TWA	5 mg/m3	Inhalable fraction.
		0 ppm	Inhalable fraction.
Portugal. VLEs. Norm on occu Material	pational exposure to chemical Type	agents (NP 1796) Value	Form
HyGold Atlas L500	TWA	5 mg/m3	Inhalable fraction.
Components	Туре	Value	Form
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Romania. OELs. Protection of Material	workers from exposure to che Type	mical agents at the workpla Value	ace
HyGold Atlas L500	STEL	10 mg/m3	
	TWA	5 mg/m3	
Components	Туре	Value	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	
,	TWA	5 mg/m3	
-	. 300/2007 concerning protec Type	tion of health in work with Value	chemical agents Form
Material			_
Material	Туре	Value	Form
Material	Туре	Value 3 mg/m3	Form Fume and mist.
Material	Type STEL TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm	Form Fume and mist. Fume and mist. Fume and mist. Fume and mist.
Material HyGold Atlas L500	Type STEL	Value 3 mg/m3 15 ppm 1 mg/m3	Form Fume and mist. Fume and mist. Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS	Type STEL TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy haphthenic (CAS	Type STEL TWA Type STEL STEL	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy haphthenic (CAS	Type STEL TWA Type	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm 1 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Fume and mist. Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy haphthenic (CAS 54742-52-5)	Type STEL TWA Type STEL TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy haphthenic (CAS 54742-52-5) Spain. Occupational Exposure	Type STEL TWA Type STEL TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm 1 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Fume and mist. Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material	Type STEL TWA STEL STEL TWA TYPE STEL TWA TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm 15 ppm 3 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Fume and mist. Fume and mist. Fume and mist. Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material	Type STEL TWA TWA TWA TWA TWA TWA TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm 15 ppm Value 3 mg/m3 15 ppm 15 ppm 1 mg/m3 5 ppm 1 mg/m3 5 ppm Value	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Fume and mist. Fume and mist. Fume and mist. Fume and mist. Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material HyGold Atlas L500	Type STEL TWA Type STEL Limits Type STEL	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm 15 ppm Value 3 mg/m3 Value 10 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Fume and mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS	Type STEL TWA Type STEL TWA STEL STEL TWA TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm 15 ppm Value 3 mg/m3 15 ppm 15 ppm 1 mg/m3 5 ppm Value 10 mg/m3 5 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Fume and mist. Fume and mist. Fume and mist. Fume and mist. Fume and mist. Mist. Mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS	Type STEL TWA Type STEL TWA STEL TWA STEL STEL TWA STEL TWA TWA TWA TWA TWA TWA TWA TWA Type STEL TWA TWA Type	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm Value 3 mg/m3 5 ppm 10 mg/m3 5 mg/m3 Value 10 mg/m3 5 mg/m3 Value	Form Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Form Mist. Form
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Type STEL TWA Type STEL TWA STEL TWA STEL TWA STEL TWA STEL	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm Value 3 mg/m3 15 ppm 15 ppm 15 ppm 15 ppm 15 ppm 10 mg/m3 5 mg/m3 Value 10 mg/m3 5 mg/m3 5 mg/m3	FormFume and mist.Fume and mist.Fume and mist.Fume and mist.FormFume and mist.Fume and mist.Fume and mist.Fume and mist.Fume and mist.FormMist.Mist.Mist.Mist.Mist.Mist.Mist.Mist.
Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Spain. Occupational Exposure Material HyGold Atlas L500 Components Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Sweden. OELs. Work Environn	Type STEL TWA Type STEL TWA TWA TWA TWA STEL TWA Type STEL TWA	Value 3 mg/m3 15 ppm 1 mg/m3 5 ppm Value 3 mg/m3 15 ppm Value 3 mg/m3 15 ppm 15 ppm 15 ppm 15 ppm 10 mg/m3 5 mg/m3 Value 10 mg/m3 5 mg/m3 Value 10 mg/m3	Form Fume and mist. Fume and mist. Fume and mist. Fume and mist. Form Fume and mist. Form Mist. Mist. Mist. Mist. (AFS 2015:7)

Components	ironment Authority (AV), Occupationa Type	Value	Form	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	3 mg/m3	Mist.	
	TWA	1 mg/m3	Mist.	
Switzerland. SUVA Grenz Material	werte am Arbeitsplatz Type	Value	Form	
HyGold Atlas L500	TWA	5 mg/m3	Inhalable fraction.	
Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.	
ological limit values	No biological exposure limits noted for	he ingredient(s).		
ecommended monitoring ocedures	Follow standard monitoring procedures			
erived no effect levels NELs)	Not available.			
edicted no effect ncentrations (PNECs)	Not available.			
2. Exposure controls				
ppropriate engineering ntrols	Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.			
dividual protection measur	es, such as personal protective equip	ment		
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	Wear suitable gloves tested to EN374. 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 > 240 minutes.) For incidental contact/splash protection Neoprene, PVC gloves may be suitable.			
- Other	Chemical/oil resistant clothing is recom	mended. Launder contamina	ted clothing before reuse.	
Respiratory protection	Under normal conditions, respirator is not normally required. No respiratory protection is ordinari required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not mainta airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65 °C (149 °F)] meeting EN14387.			
Thermal hazards	Wear appropriate thermal protective clo	othing, when necessary.		
giene measures	Always observe good personal hygiene before eating, drinking and/or smoking Discard contaminated footwear that ca	. Routinely wash work clothi		
nvironmental exposure ontrols	Emissions from ventilation or work proc with the requirements of environmenta engineering modifications to the proces acceptable levels.	protection legislation. Fume	e scrubbers, filters or	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Colour	Light Amber to Golden
Odour	Mild Petroleum Odor
Melting point/freezing point	-31 °C (-23,8 °F) ASTM D5950/ISO 3016
Boiling point or initial boiling point and boiling range	323 °C (613,4 °F) ASTM D2887/ ISO 3294

Flammability	Will burn if involved in a fire.
Flash point	> 200,0 °C (> 392,0 °F) Cleveland open cup ASTM D92/ ISO 2592
Auto-ignition temperature	> 315,56 °C (> 600 °F) ASTM E659
Decomposition temperature	Property has not been measured.
рН	Property has not been measured.
Kinematic viscosity	Property has not been measured.
Solubility	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water) (log value)	Not established.
Vapour pressure	Property has not been measured.
Density and/or relative densit	y
Relative density	0,92 (15,56 °C (60 °F) ASTM D4052/ ISO 12185)
Vapour density	> 5
Particle characteristics	
Particle size	Not applicable, material is a liquid.
9.2. Other information	
9.2.1. Information with regard to physical hazard classes	No relevant additional information available.
9.2.2. Other safety characteris	tics
Viscosity	101 cSt (40 °C (104 °F) ASTM D445/ ISO 3104)
SECTION 10: Stability and reactivity	
SECTION 10: Stability an	
10.1. Reactivity	Strong oxidising agents.
-	-
10.1. Reactivity	Strong oxidising agents.
10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous	Strong oxidising agents. Stable.
10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions	Strong oxidising agents. Stable. Hazardous polymerisation does not occur.
10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point.
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. al information Occupational exposure to the substance or mixture may cause adverse effects.
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. al information Occupational exposure to the substance or mixture may cause adverse effects.
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information Information on likely routes of 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. al information Occupational exposure to the substance or mixture may cause adverse effects. f exposure May be harmful if inhaled. However, this product does not currently meet the criteria for
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information Information on likely routes of Inhalation 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. cal information Occupational exposure to the substance or mixture may cause adverse effects. f exposure May be harmful if inhaled. However, this product does not currently meet the criteria for classification.
10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information Information on likely routes of Inhalation Skin contact	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. al information Occupational exposure to the substance or mixture may cause adverse effects. f exposure May be harmful if inhaled. However, this product does not currently meet the criteria for classification. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information Information on likely routes of Inhalation Skin contact Eye contact 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Fal information Occupational exposure to the substance or mixture may cause adverse effects. f exposure May be harmful if inhaled. However, this product does not currently meet the criteria for classification. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May be irritating to eyes. May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may
 10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information Information on likely routes of Inhalation Skin contact Eye contact Ingestion 	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. al information Occupational exposure to the substance or mixture may cause adverse effects. f exposure May be harmful if inhaled. However, this product does not currently meet the criteria for classification. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May be irritating to eyes. May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. Defatting of the skin. Exposure may cause temporary irritation, redness, or discomfort.
10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions 10.4. Conditions to avoid 10.5. Incompatible materials 10.6. Hazardous decomposition products SECTION 11: Toxicologic General information Information on likely routes of Inhalation Skin contact Eye contact Ingestion Symptoms	Strong oxidising agents. Stable. Hazardous polymerisation does not occur. Avoid temperatures exceeding the flash point. Strong oxidising agents. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. al information Occupational exposure to the substance or mixture may cause adverse effects. f exposure May be harmful if inhaled. However, this product does not currently meet the criteria for classification. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May be irritating to eyes. May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. Defatting of the skin. Exposure may cause temporary irritation, redness, or discomfort.

Acute toxicity	Not classified.
Skin corrosion/irritation	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious eye damage/eye irritation	Not classified.
Respiratory sensitisation	Not classified.
Skin sensitisation	Not classified.
Germ cell mutagenicity	Non-mutagenic based on Modified Ames Assay.
Carcinogenicity	Note L - Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Unexperience 20 (2000 Film Ordinance on material and an anothing side valuation to compare to consider and	

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended) Not listed.

Reproductive toxicity	Contains no ingredient listed as toxic to reproduction
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Specific target organ toxicity - single exposure	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 haz	zards
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

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. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

ΙΑΤΑ

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Maritime transport in bulk according to IMO

instruments

General information

Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

Not available.

Regulation (EC) No. 1005	2009 on substances that deplete the ozone layer, Annex I and II,	as amended
Not listed. Regulation (EU) 2019/102	21 On persistent organic pollutants (recast), as amended	
Not listed.		
amended	2012 concerning the export and import of dangerous chemicals, A	nnex I, Part 1 as
Not listed. Regulation (FII) No. 649/2	2012 concerning the export and import of dangerous chemicals, A	nnex I. Part 2 as
amended Not listed.		
Regulation (EU) No. 649/2 amended	2012 concerning the export and import of dangerous chemicals, A	nnex I, Part 3 as
	2012 concerning the export and import of dangerous chemicals, A	nnex V as amended
Not listed. Regulation (EC) No. 166/2 Not listed.	2006 Annex II Pollutant Release and Transfer Registry, as amende	ed
	2006, REACH Article 59(10) Candidate List as currently published	l by ECHA
Authorisations		
	2006, REACH Annex XIV Substances subject to authorization, as	amended
Restrictions on use		
	2006, REACH Annex XVII Substances subject to restriction on ma	arketing and use as
Not listed.	the protection of workers from the risks related to exposure to ca ended.	arcinogens and
Not listed.		
Other EU regulations		
	major accident hazards involving dangerous substances, as amen	ded
Not listed.		
Other regulations	The product is classified and labelled in accordance with Regulation (EC) Regulation) as amended. This Safety Data Sheet complies with the requir No 1907/2006, as amended.	rements of Regulation (EC)
	Directive 2012/18/EU on major accident hazards involving dangerous sub Part 2 (Named dangerous substances) - 34. Petroleum products and alter	
National regulations	Follow national regulation for work with chemical agents in accordance w amended. Germany: WGK 1	
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.	
International Inventories		
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
	nents of this product comply with the inventory requirements administered by the go e components of the product are not listed or exempt from listing on the inventory ad	

SECTION 16: Other information

List of abbreviations References	Not available. ACGIH IARC Monographs. Overall Evaluation of Carcinogenicity ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices Chemical Abstracts Service Registry Handbook CRC: Handbook of Chemistry and Physics ILO Safety Cards 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
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	This document has undergone significant changes and should be reviewed in its entirety.
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.