# SAFETY DATA SHEET

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

**1.1. Product identifier**

| | |
|---|---|
| **Name of the substance** | HyGold L500 |
| **Identification number** | 649-465-00-7 (Index number) |
| **Registration number** | 01-2119467170-45 |
| **Synonyms** | None. |
| **Issue date** | 19-April-2018 |
| **Version number** | 04 |
| **Revision date** | 05-April-2019 |
| **Supersedes date** | 11-March-2019 |

**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.<br>P.O. Box 1639<br>Jackson, MS 39181 USA |
| **EU Contact:** | Ergon International, Inc.<br>Drève Richelle 161 Building C<br>B-1410 Waterloo, Belgium |
| **Emergency Phone Numbers:** | |
| **US Customer Service:** | + 1-800-222-7122 |
| **Chemtrec:** | + 1-800-424-9300 After Business Hours (North America)<br>+ 1-703-527.-3887 (International)<br>See Section 15 for additional CHEMTREC Hotline Numbers |
| **E-mail:** | sds@ergon.com |

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 as amended**

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

**Hazard summary** Not available.

**2.2. Label elements**

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

| | |
|---|---|
| **Hazard pictograms** | None. |
| **Signal word** | Not applicable. |
| **Hazard statements** | Not applicable. |

**Precautionary statements**

| | |
|---|---|
| **Prevention** | Not applicable. |
| **Response** | Not applicable. |
| **Storage** | Not applicable. |
| **Disposal** | Not applicable. |

**Supplemental label information** None.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

**3.1. Substances**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic | 100 | 64742-52-5<br>265-155-0 | 01-2119467170-45 | 649-465-00-7 | |
| **Classification:** Carc. 1B;H350 | | | | | L |

**List of abbreviations and symbols that may be used above**

67/548: Directive 67/548/EEC.
CLP: Regulation No. 1272/2008.
#: This substance has workplace exposure limit(s).
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

**Composition comments** 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 in the range of C20 through C50 and produces finished oil with a viscosity near 500 SUS at 100°F.

## 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 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. Flammability Class: Combustible IIIB

**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 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 pressurised 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** Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**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. For waste disposal, see section 13.

## SECTION 7: Handling and 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**

Keep away from heat, sparks and open flame.

**7.3. Specific end use(s)**

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits**

**Belgium. Exposure Limit Values.**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

| Components | Type | 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 13 on protection of workers against risks of exposure to chemical agents at work**

| Material | Type | Value |
|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 |

| Components | Type | Value |
|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 |

**Denmark. Exposure Limit Values**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TLV | 1 mg/m3 | Mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TLV | 1 mg/m3 | Mist. |

**Finland. Workplace Exposure Limits**

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | 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)**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Respirable fraction. |
| **Components** | **Type** | **Value** | **Form** |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Respirable fraction. |

**Greece. OELs (Decree No. 90/1999, as amended)**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Mist. |
| **Components** | **Type** | **Value** | **Form** |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Mist. |

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | Ceiling | 5 mg/m3 | Mist. |
| **Components** | **Type** | **Value** | **Form** |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | Ceiling | 5 mg/m3 | Mist. |

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 1 mg/m3 | Mist. |
| **Components** | **Type** | **Value** | **Form** |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 1 mg/m3 | Mist. |

**Ireland. Occupational Exposure Limits**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Inhalable fraction. |
| **Components** | **Type** | **Value** | **Form** |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |

**Italy. Occupational Exposure Limits**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Inhalable fraction. |
| **Components** | **Type** | **Value** | **Form** |
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | STEL | 3 mg/m3 | Fume and mist. |
| | TWA | 1 mg/m3 | Fume and mist. |

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | STEL | 3 mg/m3 | Fume and mist. |
| | TWA | 1 mg/m3 | Fume and mist. |

**Netherlands. OELs (binding)**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Mist. |

**Norway. Administrative Norms for Contaminants in the Workplace**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TLV | 1 mg/m3 | Mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TLV | 1 mg/m3 | Mist. |

**Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Inhalable fraction. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |

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

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Inhalable fraction. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

| Material | Type | Value |
|---|---|---|
| HyGold L500 | STEL | 10 mg/m3 |
| | TWA | 5 mg/m3 |

| Components | Type | Value |
|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | STEL | 10 mg/m3 |
| | TWA | 5 mg/m3 |

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | STEL | 3 mg/m3 | Fume and mist. |
| | | 15 ppm | Fume and mist. |
| | TWA | 1 mg/m3 | Fume and mist. |

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

| Material | Type | Value | Form |
|---|---|---|---|
| | | 5 ppm | Fume and mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | 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. Occupational Exposure Limits**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | STEL | 3 mg/m3 | Mist. |
| | TWA | 1 mg/m3 | Mist. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | STEL | 3 mg/m3 | Mist. |
| | TWA | 1 mg/m3 | Mist. |

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

| Material | Type | Value | Form |
|---|---|---|---|
| HyGold L500 | TWA | 5 mg/m3 | Inhalable fraction. |

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |

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

**Recommended monitoring procedures** Not available.

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

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

### 8.2. Exposure controls

**Appropriate engineering controls** 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.

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

**General information** Not available.

**Eye/face protection** Goggles/face shield are recommended.

**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 > 240 minutes.) For incidental contact/splash protection Neoprene, PVC gloves may be suitable. |
| **- Other** | Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse. |
| **Respiratory protection** | Under normal conditions, respirator is not normally required. No respiratory protection is ordinarily 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 maintain 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** | Not available. |
| **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** | Not available. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Clear & bright |
| **Physical state** | Liquid. |
| **Form** | Liquid. |
| **Colour** | Light Amber to Golden |
| **Odour** | Mild Petroleum Odor |
| **Odour threshold** | Not available. |
| **pH** | Not applicable |
| **Melting point/freezing point** | -31 °C (-23,8 °F) ASTM D5950/ISO 3016 |
| **Initial boiling point and boiling range** | 323 °C (613,4 °F) ASTM D2887/ ISO 3294 |
| **Flash point** | > 200,0 °C (> 392,0 °F) Cleveland open cup ASTM D92/ ISO 2592 |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not available. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | Not available. |
| **Flammability limit - upper (%)** | Not available. |
| **Vapour pressure** | Not available. |
| **Vapour density** | > 5 |
| **Relative density** | 0,92 (15,56 °C (60 °F) ASTM D4052/ ISO 12185) |
| **Solubility(ies)** | |
| **Solubility (water)** | Insoluble |
| **Partition coefficient (n-octanol/water)** | Not established. |
| **Auto-ignition temperature** | > 315,56 °C (> 600 °F) ASTM E659 |
| **Decomposition temperature** | Not available. |
| **Viscosity** | 101 cSt (40 °C (104 °F) ASTM D445/ ISO 3104) |
| **Explosive properties** | Not available. |
| **Oxidising properties** | Not available. |
| **9.2. Other information** | No relevant additional information available. |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | Strong oxidising agents. |
| **10.2. Chemical stability** | Stable. |
| **10.3. Possibility of hazardous reactions** | Hazardous polymerisation does not occur. |

| | |
|---|---|
| **10.4. Conditions to avoid** | Avoid temperatures exceeding the flash point. |
| **10.5. Incompatible materials** | Strong oxidising agents. |
| **10.6. Hazardous decomposition products** | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

## SECTION 11: Toxicological information

**General information** Not available.

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | May be harmful if inhaled. However, this product does not currently meet the criteria for classification. |
| **Skin contact** | Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. |
| **Eye contact** | May be irritating to eyes. |
| **Ingestion** | May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. |

**Symptoms** Not available.

**11.1. Information on toxicological effects**

| | |
|---|---|
| **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** | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. |

**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 |
| **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. |
| **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** | Not a PBT or vPvB substance or mixture. |
| **12.6. Other adverse effects** | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## 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. - 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.

**IATA**

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

**IMDG**

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

| | |
|---|---|
| **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not available. |
| **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**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I 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.

**Authorisations**

**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**

Not listed.

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

Not listed.

**Other EU regulations**

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

**Other regulations** The product is classified and labelled in accordance with EC directives or respective national laws This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations** 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 Chemical Substances (AICS) | 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**
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 available.

**Full text of any H-statements not written out in full under Sections 2 to 15** H350 May cause cancer.

**Revision information**
Physical & Chemical Properties: Multiple Properties
SECTION 16: Other information: Further information

**Training information** Not available.

**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.

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