

# SAFETY DATA SHEET

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

### 1.1 Product identifier

Product name: **PERMAX™ 805B**

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

Identified uses: Not determined.

Uses advised against: Not determined.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

Company Name: LUBRIZOL LIMITED  
Address: THE KNOWLE, NETHER LANE  
HAZELWOOD, DERBYSHIRE, DE56 4AN  
GB  
Telephone: (44) 01332-842211  
E-mail contact: EUSDS@lubrizol.com {Lubrizol Safety Data Sheets can be obtained at  
www.mylubrizol.com}

### 1.4 Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1) 703 527 3887 (LUBRIZOL)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

This product does not meet the classification requirements of the current European legislation.

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

Not classified

#### Classification according to Directive 67/548/EEC or 1999/45/EC as amended.

Not classified

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

not applicable

### 2.3 Other hazards: None identified.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Regulation No. 1272/2008.

This material has no known hazards under applicable laws.

#### Directive 67/548/EEC.

Chemical name	Concentration	EC No.	REACH Registration No.	M-Factor:	Notes
Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts	0.1 - 1.0%	601-601-6			

600, 700 and 900 ECHA List Numbers do not have any legal significance; rather they are purely technical identifiers and are displayed for informational purposes only.

**Classification Directive 67/548/EEC.**

Chemical name	Classification	Notes
Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts	Xi; R41 N; R51/53	

The full text for all R-phrases is displayed in section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- Inhalation:** Remove exposed person to fresh air if adverse effects are observed.
- Eye contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.
- Skin Contact:** Wash with soap and water. If skin irritation occurs, get medical attention.
- Ingestion:** Treat symptomatically. Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:** See section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

- Hazards:** No data available.
- Treatment:** Treat symptomatically.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**5.1 Extinguishing media**

- Suitable extinguishing media:** CO<sub>2</sub>, dry chemical, foam, water spray, water fog.
- Unsuitable extinguishing media:** Not determined.

**5.2 Special hazards arising from the substance or mixture:**

When heated, hazardous gases may be released including: hydrogen chloride and chlorine. See section 10 for additional information. Material will not burn until water has been evaporated. Container may rupture on heating.

**5.3 Advice for firefighters**

- Special fire fighting procedures:** No data available.
- Special protective equipment for fire-fighters:** Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Ventilate area if spilled in confined space or other poorly ventilated areas. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

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| <b>6.2 Environmental Precautions:</b>                            | Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.   |
| <b>6.3 Methods and material for containment and cleaning up:</b> | Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Wash area with soap and water. Spilled liquid and dried film are slippery. Use care to avoid falls. |
| <b>6.4 Reference to other sections:</b>                          | See sections 8 and 13 for additional information.   |

<b>SECTION 7: Handling and storage:</b>
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| <b>7.1 Precautions for safe handling:</b>                                | Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing mists or vapors. When using do not eat, drink or smoke. Stir well before use. Keep containers closed when not in use. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling. |
| <b>Maximum Handling Temperature:</b>                                     | Not determined.  |
| <b>7.2 Conditions for safe storage, including any incompatibilities:</b> | Store away from incompatible materials. See section 10 for incompatible materials. Keep from freezing. Do not store in open, unlabeled or mislabeled containers.   |
| <b>Maximum Storage Temperature:</b>                                      | Not determined.  |
| <b>7.3 Specific end use(s):</b>  | End uses are listed in an attached exposure scenario when one is required.   |

<b>SECTION 8: Exposure controls/personal protection</b>
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| <b>8.1 Control Parameters</b>  |   |
| <b>Occupational Exposure Limits</b>  |   |
| None of the components have assigned exposure limits.                        |   |
| <b>8.2 Exposure controls</b>   |   |
| <b>Appropriate engineering controls:</b>                                     | Use material in well ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required. No special requirements under ordinary conditions of use and with adequate ventilation. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>General information:</b>  | Use personal protective equipment as required.  |
| <b>Eye/face protection:</b>  | If contact is likely, safety glasses with side shields are recommended.   |
| <b>Skin protection</b>   |   |
| <b>Hand Protection:</b>  | Suitable gloves can be recommended by the glove supplier. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.  |
| <b>Other:</b>  | Gloves, coveralls, apron, boots as necessary to minimize contact.   |

**Respiratory Protection:** Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

**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 Controls:** No data available.  
See section 6 for details.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state:** liquid

**Form:** liquid

**Color:** White

**Odor:** Mild

**Odor Threshold:** No data available.

**pH:** 1 - 3.5

**Freezing point:** No data available.

**Boiling Point:** No data available.

**Flash Point:** Not applicable.

**Evaporation Rate:** No data available.

**Flammability (solid, gas):** No data available.

#### Upper/lower limit on flammability or explosive limits

**Flammability Limit - Upper (%):** No data available.

**Flammability Limit - Lower (%):** No data available.

**Vapor pressure:** No data available.

**Vapor density (air=1):** No data available.

**Relative density:** 1.26 (15.6 °C)

#### Solubility(ies)

**Solubility in Water:** Miscible with water.

**Solubility (other):** No data available.

**Partition coefficient (n-octanol/water):** No data available.

**Autoignition Temperature:** No data available.

**Decomposition Temperature:** No data available.

**Viscosity:** 10 - 75 mPa.s (25 °C);

**Explosive properties:** No data available.

**Oxidizing properties:** No data available.

**VOC Content:** No data available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity:** No data available.

<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Will not occur.
<b>10.4 Conditions to avoid:</b>	Do not freeze.
<b>10.5 Incompatible Materials:</b>	Alkalies. Bases. Strong oxidizers
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, hydrogen chloride, chlorinated compounds, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

Product:	May cause irritation of the gastrointestinal tract. Not classified for acute toxicity based on available data.
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##### Dermal

Product:	Not classified for acute toxicity based on available data.
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##### Inhalation

Product:	Overexposure to vapors or mist may cause dizziness, headache, nausea, and/or flu-like symptoms. Persons with sensitive airways (e.g., asthmatics) may react to vapors. Avoid inhalation of mists or vapors. Not classified for acute toxicity based on available data.
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##### Skin Corrosion/Irritation:

Product:	Prolonged or repeated contact may cause irritation. Pre-existing skin conditions may be aggravated by prolonged or repeated exposure. Classification: May cause irritation. Remarks: Not classified as a primary skin irritant.
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##### Serious Eye Damage/Eye Irritation:

Product:	Remarks: Vapors formed from heating may cause eye irritation. Classification: May cause irritation. Remarks: Not classified as a primary eye irritant.
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##### Respiratory sensitization:

No data available

##### Skin sensitization:

No data available

**Specific Target Organ Toxicity - Single Exposure:**  
No data available

**Aspiration Hazard:**  
No data available

**Chronic Effects**

**Carcinogenicity:**  
No data available

**Germ Cell Mutagenicity:**  
No data available

**Reproductive toxicity:**  
No data available

**Specific Target Organ Toxicity - Repeated Exposure:**  
No data available

**SECTION 12: Ecological information**

**12.1 Ecotoxicity**

**Fish**  
No data available

**Aquatic Invertebrates**  
No data available

**Toxicity to Aquatic Plants**  
No data available

**Toxicity to soil dwelling organisms**  
No data available

**Sediment Toxicity**  
No data available

**Toxicity to Terrestrial Plants**  
No data available

**Toxicity to Above-Ground Organisms**  
No data available

**Toxicity to microorganisms**  
No data available

**12.2 Persistence and Degradability**

**Biodegradation**  
No data available

**BOD/COD Ratio**  
No data available

**12.3 Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**  
No data available

**Partition Coefficient n-octanol / water (log Kow)**  
No data available

**12.4 Mobility:**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other Adverse Effects:**

No data available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Disposal methods:**

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Contaminated Packaging:**

Container packaging may exhibit hazards.

**SECTION 14: Transport information****ADR**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****Inventory Status****Australia (AICS)**

This product contains a substance that is not listed on the Australia Inventory of Chemical Substances.

**Canada (DSL/NDSL)**

This material contains one or more components that are on the Non-Domestic Substances list (NDSL). This material or products containing this material may be exported to Canada in limited quantities.

**China (IECSC)**

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

**European Union (REACH)**To obtain information on the REACH compliance status of this product, please visit [Lubrizol.com/REACH](http://Lubrizol.com/REACH), or e-mail us at [REACH\\_MSDS\\_INQUIRIES@Lubrizol.com](mailto:REACH_MSDS_INQUIRIES@Lubrizol.com)**Japan (ENCS)**

May require notification in Japan.

**Korea (ECL)**

This product requires notification before sale in Korea.

**New Zealand (NZIoC)**

This product requires notification before sale in New Zealand.

**Philippines (PICCS)**

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

**Switzerland (SWISS)**

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

**Taiwan (TCSCA)**

This product requires notification before sale in Taiwan.

**United States (TSCA)**

This product is on the TSCA inventory. When used as a biocide it is regulated under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). This product is not FIFRA registered.

*The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.*

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

**Key literature references and sources for data:** Internal company data and other publically available resources.

**Wording of the R-phrases and H-statements in section 2 and 3**

H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
R35	Causes severe burns.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Issue Date:** 10.09.2015

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