

SAFETY DATA SHEET

1. Identification

Identification

Product name: PERFORMAX™ 4206

Additional identification

Chemical name: Mixture

Recommended use and restriction on use

Recommended use: Geo Techtex
Restrictions on use: None identified.

Details of the supplier of the safety data sheet

Supplier

Company Name: THE LUBRIZOL CORPORATION
Address: 9921 BRECKSVILLE RD
BRECKSVILLE, OH 44141
US
Telephone: 216-447-5000

Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1)703 527 3887, OR WITHIN USA 800 424 9300

2. Hazard(s) identification

Hazard Classification

Not classified

Label Elements:

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: not applicable

Precautionary Statements: not applicable

Other hazards which do not result in GHS classification: None identified.

3. Composition/information on ingredients

General information: The components are not hazardous or are below required disclosure limits.

4. First-aid measures

Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Inhalation:	Remove exposed person to fresh air if adverse effects are observed.
Skin Contact:	Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation occurs, get medical attention.
Eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance. Remove contact lenses, if present and easy to do. Continue rinsing.

Most important symptoms/effects, acute and delayed

Symptoms: See section 11.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

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

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: CO₂, dry chemical, foam, water spray, water fog.

Unsuitable extinguishing media: Not determined.

Specific hazards arising from the chemical: Material will not burn until water has been evaporated. Container may rupture on heating. When heated, hazardous gases may be released including: sulfur dioxide. See section 10 for additional information.

Special protective equipment and precautions 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.

6. Accidental release measures

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.

Methods and material for containment and cleaning up: 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.

Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: 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. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid environmental contamination.

Maximum Handling Temperature: 25 °C 77 °F

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. See section 10 for incompatible materials. Keep from freezing. Do not store in open, unlabeled or mislabeled containers.

Maximum Storage Temperature: 30 °C 86 °F

8. Exposure controls/personal protection

Control Parameters:

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate engineering controls: 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.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: If contact is likely, safety glasses with side shields are recommended.

Skin Protection

Hand Protection: Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves. Suitable gloves can be recommended by the glove supplier.

Other:	Gloves, coveralls, apron, boots as necessary to minimize contact.
Respiratory Protection:	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:	Observe good industrial hygiene practices.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	White
Odor:	Ammonia / hydrocarbon
Odor threshold:	No data available.
pH:	8.7 - 9.3
Freezing point:	Approximate 0 °C
Boiling Point:	Approximate 212 °F (100 °C)
Flash Point:	Not applicable.
Evaporation rate:	< 1 n-butyl acetate=1
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.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	Approximate 18 torr (20 °C 68 °F)
Vapor density:	< 1
Relative density:	1.07 68 °F (20 °C)
Solubility(ies)	
Solubility in water:	Dispersible
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	< 32,000 mPa.s (77 °F (25 °C))

Other information

Bulk density:	Approximate 8.9 lb/gal 77 °F (25 °C)
Percent Solid:	Approximate 46.5 % (Percent by Weight)
Percent volatile:	52 - 55 %(Percent by Weight)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Do not freeze.
Incompatible Materials:	Strong oxidizers Acidic conditions will cause the polymer to precipitate out of solution.
Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, mercaptans, sulfides, including hydrogen sulfide and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids. May also include isocyanates and small amounts of hydrogen cyanide.

11. Toxicological information**Information on likely routes of exposure**

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	Causes mild skin irritation.
Eye contact:	No data available.

Information on toxicological effects**Acute toxicity****Oral**

Product:	May cause irritation of the gastrointestinal tract. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. ATEmix > 10,000 mg/kg.
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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. Avoid inhalation of mists or vapors. Persons with sensitive airways (e.g., asthmatics) may react to vapors. Not classified for acute toxicity based on available data.
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Skin Corrosion/Irritation:

Product:	Causes mild skin irritation. Remarks: Prolonged or repeated contact may cause irritation. Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.
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Serious Eye Damage/Eye Irritation:

Product: Remarks: Vapors may cause irritation.

Respiratory sensitization:

No data available

Skin sensitization:

No data available

Specific Target Organ Toxicity - Single Exposure:

Product:

Aspiration Hazard:

No data available

Other effects:

Product: Under decomposition conditions, isocyanates may be generated from this product. Isocyanates can cause skin sensitization and/or respiratory sensitization. Persons with sensitive airways (e.g., asthmatics) may react to vapors.

Chronic Effects

Carcinogenicity:

No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity:

No data available

Reproductive toxicity:

No data available

Specific Target Organ Toxicity - Repeated Exposure:

No data available

12. Ecological information

**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

**Persistence and Degradability
Biodegradation** No data available

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

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

Mobility: No data available

Other Adverse Effects: No data available.

13. Disposal considerations

Disposal instructions: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.

Contaminated Packaging: Container packaging may exhibit hazards.

14. Transport information

DOT
Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code

None known.

The DOT shipping information in this section is based on a bulk container. Please review the accompanying shipping papers for the correct shipping descriptions based the size of the package. 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. During 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.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4)

<u>Chemical Identity</u>	<u>CAS number</u>	<u>Reportable quantity</u>	<u>Calculated¹</u>
Ammonium hydroxide	1336-21-6	1000 lbs	> 50000 lbs > 22680 kgs
Ethylene glycol	107-21-1	5000 lbs	> 50000 lbs > 22680 kgs
Formaldehyde	50-00-0	100 lbs	> 50000 lbs > 22680 kgs
Alkylamine	121-44-8	5000 lbs	> 50000 lbs > 22680 kgs
Ethyl acrylate	140-88-5	1000 lbs	> 50000 lbs > 22680 kgs

¹This is the amount product/material required to be released before CERCLA reporting is required.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 311 Classifications

None known.

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>CAS number</u>	<u>Percent by Weight</u>	<u>Reportable quantity</u>
Ammonium hydroxide	1336-21-6	0.2 %	1000 lbs
Ethylene glycol	107-21-1	535.0 PPM	5000 lbs
Formaldehyde	50-00-0	247.0 PPM	100 lbs
Alkylamine	121-44-8	109.0 PPM	5000 lbs
Ethyl acrylate	140-88-5	53.0 PPM	1000 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product may contain chemical(s) known to the state of California to cause cancer and/or birth defects. Additional information can be received upon request.

Inventory Status

Australia (AICS)

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

Canada (DSL/NDSL)

This product contains one or more substances that are present on the Non-Domestic Substances List (NDSL). This product may be imported to Canada in limited quantities.

China (IECSC)

This product contains a substance that is not listed on the Chinese Inventory of Existing Chemical Substances (IECSC).

European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

Japan (ENCS)

This product contains a substance that is not listed on the Japanese Existing and New Chemical Substances (ENCS) list.

Korea (ECL)

This product requires notification before sale in Korea.

New Zealand (NZIoC)

This product requires notification before sale in New Zealand.

Philippines (PICCS)

This product requires notification before sale in the Philippines.

Switzerland (SWISS)

This product contains a substance that is not listed on the Switzerland Inventory of Notified New Substances.

Taiwan (TCSCA)

May require 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.

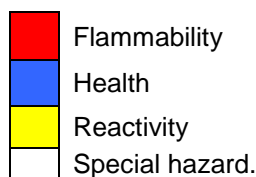
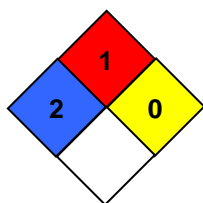
16. Other information, including date of preparation or last revision

HMIS Hazard ID

Health		1
Flammability		1
Physical Hazards		0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

- Issue Date:** 05/08/2017
- Version #:** 2.1
- Source of information:** Internal company data and other publically available resources.
- Further Information:** Contact supplier (see Section 1)
- Disclaimer:** As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.