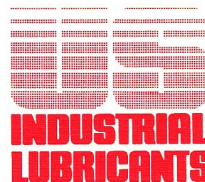


Safety Data Sheet

LL2000



Section 1. Identification

Product Identifier	LL2000		
Synonyms	N/A		
Manufacture Stock Numbers	557		
Recommended use	N/A		
Uses advised against	N/A		
Manufacturer Contact			
Address	US Industrial Lubricants 3330 Beekman Street Cincinnati, OH, 45223 USA		
	Phone	Emergency Phone	Fax
	(513) 541-2225	(800) 535-5053	(513) 541-2293
	Email		
	tkorzep@usindustrial lubricants.com		

Section 2. Hazards Identification

Classification	N/A
Signal Word	
Pictogram	
Hazard Statements	Not a hazardous substance or mixture.
Precautionary Statements	
Response	N/A
Prevention	N/A
Storage	N/A
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No Data Available
	No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
9038-95-3	Polyalkylene glycol monobutyl ether	99% - 100%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.
Skin	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Thoroughly wash (or discard) clothing and shoes before reuse.
Eye	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Ingestion	No special measures required. Health injuries are not known or expected under normal use.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use water fog, dry chemical, foam or carbon dioxide.
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Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide.
Flammable properties	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Special fire fighting hazards	Container may burst if heated.
Fire fighting instructions	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Personal precautions	Ensure adequate ventilation. Do not breathe vapor/dust. Use personal protective equipment. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.
Clean-up	Contain spillage, soak up with non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations.

Section 7. Handling and Storage

Handling	Use with adequate ventilation. Avoid prolonged breathing of vapors and contact with eyes. Avoid contact with skin and eyes. Wash thoroughly after work using soap and water. Wash hands before eating, drinking, smoking, or using the toilet facilities.
Precautions for safe handling	Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.
Storage	Store in the following materials: 316 stainless steel; carbon steel; glass-lined container; polypropylene; polyethylene-lined container; stainless steel; teflon. This material may soften and lift certain paint and surface coatings. Store in original container. Keep container tightly closed. Keep container in a cool, well-ventilated area.
Shelf life	2 years

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Polyalkylene glycol monobutyl ether	N/A	N/A	N/A
Personal Protective Equipment	N/A			
Engineering controls	Good general ventilation should be sufficient to control airborne levels.			
Environmental exposure controls	Emissions from ventilation or work process environment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.			
Hygiene measures	Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.			
Eye/face protection	Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Splash goggles. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If inhalation hazards exist, a full-face respirator may be required instead.			
Hand protection	Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.			

Section 9. Physical and Chemical Properties

Physical State	Liquid	Color	Colorless to yellow
Odor	Mild	Odor Threshold	N/A

Solubility	Soluble in water	Partition coefficient Water/n-octanol	N/A
Viscosity	49 - 55 cSt @ 40° C	Specific Gravity	1.033
Density lbs/Gal	8.6	Pounds per Cubic Foot	N/A
Flash Point	177° C	FP Method	Closed Cup
Ph	5.5 - 7.5	Melting Point	N/A
Boiling Point	N/A	Boiling Range	N/A
LEL	N/A	UEL	N/A
Evaporation Rate	N/A	Flammability	N/A
Decomposition Temperature	N/A	Auto-ignition Temperature	N/A
Vapor Pressure	< 0.01 mmHg @ 20° C	Vapor Density	> 1
VOC%	N/A		

Section 10. Stability and Reactivity

Stability	This product is stable under normal conditions.
Hazardous polymerization	Will not occur.
Conditions to avoid	Excessive heat.
Incompatible materials	Strong oxidizers, strong acids, strong alkalis.
Hazardous decomposition products	Decomposition products depend on temperature, air supply, and the presence of other materials. Decomposition products can include and are not limited to: aldehydes; alcohols; ethers; hydrocarbons; ketones; organic acids; polymer fragments.

Section 11. Toxicological Information

Acute dermal toxicity	Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Acute inhalation toxicity	At room temperature, exposure to vapor is minimal due to low volatility; single exposure is not likely to be hazardous. For respiratory irritation and narcotic effects, no relevant data found.
Acute oral toxicity	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Skin	No adverse effects due to skin contact are expected.
Eyes	Contact with eyes may cause irritation.
Carcinogenicity	No known significant effects or critical hazards.

Section 12. Ecological Information

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	Material is readily biodegradable. Passes OECD tests for ready biodegradability.
Bioaccumulation	No bioconcentration is expected because of the relatively high water solubility.
Mobility	No data available.

Section 13. Disposal

Disposal	Do not dump into any sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, state/provincial, and local laws and regulations.
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Section 14. Transport Information

UN Number	N/A	UN Proper Shipping Name	N/A
DOT Classification	N/A	Packing Group	N/A
DOT	Not dangerous goods		
IMDG	Not dangerous goods		
IATA	Not dangerous goods		

Section 15. Regulatory Information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.
SARA 311/312 Hazards	No SARA Hazards
SARA 313	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Proposition 65	This product does not contain any Proposition 65 chemicals.
TSCA	All ingredients used in the make up of this product are listed on TSCA.

Section 16. Other Information

Revision Date	4/22/2016
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DISCLAIMER:

The information contained herein is believed to be accurate and is offered in good faith. This 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. Mixing this product with any other materials may change the characteristics such as flash point, flammability or health effects. Because product use is beyond our control, no warranty is given, expressed or implied.