

1. Identification	
Product name	LUBRODAL BN
Other means of identification	No data available.
Recommended use:	Metalworking fluid
Restrictions on use:	Industrial use only

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name:	Fuchs Lubricants Co.	
Address:	17050 Lathrop Avenue	
	Harvey, Illinois 60426	
Telephone:	708-333-8900	
Fax:	708-333-9180	
Contact Person:	EHS Department	
E-mail:	msds@fuchs.com	

Emergency telephone number: 708-333-8900 (Bus. hrs) 800-255-3924 (24 hrs)

2. Hazard(s) identification

Hazard Classification

	Health	Hazards	
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Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A

Label Elements

Hazard Symbol:



Signal Word:

Warning

Hazard Statement:

Causes skin irritation. Causes serious eye irritation.



Statement

Prevention:	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see the specific response guidance provided herein). Take off contaminated clothing.
Other hazards which do not	None.

result in GHS classification:

Unknown toxicity Health				
Acute toxicity, oral	11.24 %			
Acute toxicity, dermal	11.28 %			
Acute toxicity, inhalation, vapor	45.42 %			
Acute toxicity, inhalation, dust or mist	15.3 %			

3. Composition/information on ingredients

Hazardous Component(s):

Chemical name	CAS-No.	Concentration		
Boron nitride (BN)	10043-11-5	30 - 60%		
Aluminum silicate Confidential 3 - 7%				
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Specific chemical identities and/or exact percentages have been withheld as trade secrets.

4. First-aid measures	
Ingestion:	Call a Poison Center or doctor if you feel unwell. Rinse mouth.
Inhalation:	Move to fresh air. Call a Poison Center or doctor if you feel unwell.
Skin Contact:	Remove contaminated/saturated clothing and shoes. Wash contact areas with soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed



Symptoms:	No data available.		
Indication of immediate medical a	ttention and special treatment needed		
Treatment:	Get medical attention as appropriate or if symptoms persist.		
5. Fire-fighting measures			
General Fire Hazards:	No unusual fire or explosion hazards noted.		
Suitable (and unsuitable) extingu	ishing media		
Suitable extinguishing media:	Water spray, fog, CO2, dry chemical, or regular foam. Use fire- extinguishing media appropriate for surrounding materials.		
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.		
Specific hazards arising from the chemical:	Heat may cause the containers to pressurize and possibly rupture. During fire, gases hazardous to health may be formed.		
Special protective equipment and precautions for firefighters			
Special fire fighting procedures:	No data available.		
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment appropriate for industrial fires.		
6. Accidental release measures	6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures:	See Section 8 of the SDS for Personal Protective Equipment. Do not handle damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.		
Methods and material for containment and cleaning up:	Absorb spill with an inert material, then place in a container for safe and proper disposal. Dike far ahead of larger spill for later recovery and disposal.		
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so and protect against releases into the environment. Remediate as appropriate.		



7. Handling and storage Precautions for safe handling: End-users should follow industry best practices for handling and using this product. Guidance may be found using the current version of ASTM Standard E1497-05: Standard Practice for Selection and Safe Use of Water-Miscible and Straight Oil Metal Removal Fluids Wash hands thoroughly after handling. Avoid contact with skin. Store in original tightly closed container. Avoid contact with oxidizing agents. Store away from incompatible materials.

8. Exposure controls/personal protection

Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Aluminum silicate - Respirable fraction.	TWA	2 mg/m3	US. ACGIH Threshold Limit Values (03 2012)
Aluminum silicate - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Aluminum silicate - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

Protective Measures:	Provide easy access to water supply and eye wash facilities. Good general ventilation should be provided. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.	
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from supervisor on the company's respiratory protection standards.	
Eye Protection:	Wear safety glasses with side shields (or goggles).	
Skin and Body Protection:	Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.	
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. Contaminated work clothing should not be allowed out of the workplace. Discard contaminated footwear that cannot be cleaned. Avoid contact with skin, eyes, and clothing.	



9. Physical and chemical properties

Physical state:LiquidForm:No data available.Color:WhiteOdor:MildOdor threshold:No data available.pH:8.5Melting point/freezing point:No data available.Initial boiling point and boiling range:No data available.Flash Point:No data available.Flash Point:No data available.Flammability (solid, gas):No data available.Upper/lower limit on flammability or explosive limitsNo data available.Flammability limit - upper (%):No data available.Flammability limit - lower (%):No data available.Explosive limit - lower (%):No data available.Vapor pressure:No data available.Vapor density:No data available.Vapor density:No data available.Solubility (ies)No data available.Partition coefficient (n-octanol/water):No data available.Auto-ignition temperature:No data available.Viscosity:No data available.	Appearance	
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Viscosity: No data available.		No data available.
	Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	Not reactive during normal use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	None under normal conditions.
Conditions to Avoid:	Avoid heat or contamination.
Incompatible Materials: MSDS_US - 00000009241	No data available.



Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
11. Toxicological information	
Information on likely routes of e Ingestion:	exposure May be harmful if swallowed.
Inhalation:	May cause irritation to the respiratory system.
Skin Contact:	Causes skin irritation.
Eye contact:	Causes serious eye irritation.
Symptoms related to the physic Ingestion:	al, chemical and toxicological characteristics No data available.
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Information on toxicological eff	ects
Acute toxicity (list all possibl	e routes of exposure)
Oral Product:	ATEmix (): > 5000 mg/kg
Dermal Product:	ATEmix (): > 5000 mg/kg
Inhalation Product:	Not classified for acute toxicity based on available data.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritat Product:	ion No data available.
Respiratory or Skin Sensitization Product:	on No data available.



Carcinogenicity Product:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified
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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

In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxici Product:	ty - Single Exposure No data available.
Specific Target Organ Toxici Product:	ty - Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.

12. Ecological information	
General information:	This product has not been evaluated for ecological toxicity or other environmental effects.
13. Disposal considerations	3
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. It is the responsibility of the product user or owner to determine at the time of disposal, which waste regulations must be applied.
Contaminated Packaging: MSDS_US - 000000009241	Empty containers should be taken to an approved waste handling site for



recycling or disposal.

14. Transport information

DOT

Not regulated.

IMDG

Not regulated.

ΙΑΤΑ

Not regulated.

15. Regulatory information

US Federal Regulations

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

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate (Acute) Health Hazards

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

16.Other information, including date of preparation or last revision		
Issue Date:	22.05.2015	
Revision Date:	22.05.2015	
Version #:	1.0	
Further Information:	No data available.	
Disclaimer:	This information is provided without warranty . The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.	

