



This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

1	Product and Company Identification
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*The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, Ohio 44092
Tel: (440) 943-4200*

Product Trade Name	ALOX® 350
CAS Number	Confidential.
Synonyms	None.
Generic/Chemical Name	Confidential.
Product Use	Metal Protection Rust preventive component
Prepared By	Product Safety and Compliance Department (440) 943-4200
Preparation/Revision Date	16 October 2009
Transportation Emergency Phone No.	FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)
MSDS No.	39118413-1712520-111910-102103
WHMIS Hazard Class	Not a controlled product
HMIRC Registry Number	Not Registered
HMIRC Exemption	Not Registered
HMIRC Filing/Grant Date	Not applicable.

2	Hazards Identification
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Principal Hazards Caution.

- Combustible material.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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Hazardous Ingredients

Comp	CAS No.	Percentage (by wt.)	Exposure Guidelines						Carcinogen
			OSHA		ACGIH		Other		
			TWA	STEL	TWA	STEL	TWA	STEL	
Oxidate	Confidential.	From 90 to 100 percent	N/E	N/E	N/E	N/E	N/E	N/E	N/E

(s) - Skin exposure
(p) - Proposed limit
(c) - Ceiling exposure
(l) - Recommended exposure limit
(u) - Supplier recommended exposure limit
(N/E) - None established
Confidential - See section 1 for HMIRC exemption status

4	First Aid Measures
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Ingestion Swallowing is an unlikely route of exposure.
Eyes Treat as any foreign particulate matter.
Skin Not applicable.
Inhalation Not applicable.
Additional Information Note to physician: Treat symptomatically.

5	Fire Fighting Measures
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ALOX® 350

Flash Point	82 °C, 179.6 °F PMCC (Typical)
Extinguishing Media	Flood with water.
Firefighting Procedures	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire & Explosion Hazards	None known.

6	Accidental Release Measures
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Spill Procedures Pick up free solid for recycle and/or disposal.

7	Handling and Storage
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Pumping Temperature	Not applicable.
Maximum Handling Temperature	60 °C, 140 °F
Handling Procedures	No special handling precautions required.
Maximum Storage Temperature	60 °C, 140 °F
Storage Procedures	No special storage precautions required.
Loading Temperature	60 °C, 140 °F

8	Exposure Controls/Personal Protection
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Other Exposure Limits	None known.
Engineering Controls	Not available.
Gloves Procedures	Not applicable.
Eye Protection	Safety Glasses.
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.
Clothing Recommendation	No special clothing requirement.

9	Physical and Chemical Properties
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Flash Point	82 °C, 179.6 °F PMCC (Typical)
Upper Flammable Limit	Not available.
Lower Flammable Limit	Not available.
Autoignition Point	Not available.
Explosion Data	Material does not have explosive properties.
Vapour Pressure	Not available.
pH	Not available.
Specific Gravity	0.92 (15.6 °C)
Bulk Density	Not available.
Water Solubility	Insoluble.
Percent Solid	Not available.
Percent Volatile	Not available.
Volatile Organic Compound	Not available.
Vapour Density	Not available.
Evaporation Rate	Not available.
Odor	Mild
Appearance	Brown Solid.
Viscosity	Not available.
Odor Threshold	Not available.
Boiling Point	Not available.
Pour Point Temperature	Not available.
Melting / Freezing Point	Not available.

The above data are typical values and do not constitute a specification.

10	Stability and Reactivity
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Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not available.
Incompatibility	Strong oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

11	Toxicological Information
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-- ACUTE EXPOSURE --

Oral Toxicity	The LD50 in rats is > 5000 mg/Kg. Based on actual data.
Eye Irritation	Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation	Not expected to be a primary skin irritant. Based on data from components or similar materials.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on actual data.
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard.
Respiratory Irritation	No data available to indicate product or components may cause respiratory irritation under normal workplace conditions and good industrial hygiene practices.
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

-- ADDITIONAL INFORMATION --

Other	No other health hazards known.
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12	Ecological Information
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-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity	Not available.
Freshwater Invertebrates Toxicity	Not available.
Algal Inhibition	Not available.
Saltwater Fish Toxicity	Not available.
Saltwater Invertebrates Toxicity	Not available.
Bacteria Toxicity	Not available.
Miscellaneous Toxicity	Not available.

-- ENVIRONMENTAL FATE --

Biodegradation	Adequate data is not available to estimate the biodegradation potential of this material.
Bioaccumulation	Not determined
Soil Mobility	Not available.

13	Disposal Considerations
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Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
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14	Transport Information
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ICAO/IATA II	Not regulated
IMDG	Not regulated
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
MARPOL Annex II	Not determined.
USCG Compatibility	Not available.
Canada	Not regulated
U.S. DOT Bulk	Not regulated
DOT NAERG	Not applicable.
U.S. DOT (Intermediate)	Not regulated
U.S. DOT Intermediate NAERG	Not applicable.
U.S. DOT Non-Bulk	Not regulated
U.S. DOT Non-Bulk NAERG	Not applicable.
Bulk Quantity	85000 KG, 187391 lbs.

ALOX® 350

Intermediate Quantity

11000 KG, 24251 lbs.

Non-Bulk Quantity

400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures

15	Regulatory Information
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-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
EU	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Product Registrations --

Finnish Registration Number	Not Registered
Swedish Registration Number	Not Registered
Norwegian Registration Number	Not Registered
Danish Registration Number	Not Registered
Swiss Registration Number	Not Registered
Italian Registration Number	Not Registered

-- Other / International --

Other TSCA Reg.	None known.
SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
CERCLA Hazardous Substances	None known.
Cal. Prop. 65	This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.
Miscellaneous Regulatory Information	Not available.

16	Other Information
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US NFPA Codes	Health	Fire	Reactivity	Special
	0	2	0	N/E

HMIS Codes	Health	Fire	Reactivity
	0	2	0

Precautionary Labels
 Caution.
 • Combustible material.

Revision Indicators	Section: 1 Product type.	Changed: 29 March 2009
	Section: 4 Oral first aid.	Changed: 29 March 2009
	Section: 8 Respiratory protection.	Changed: 29 March 2009
	Section: 14 U.S. DOT Intermediate shipping description.	Changed: 16 October 2009

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