

Safety Data Sheet

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Revision Number 1



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

Product identification used on label

Product identifier	4018 NOX-RUST 4018
Details of the supplier of the safety data sheet	Daubert Chemical Company 4700 S. Central Avenue Chicago, IL 60638 708-496-7350
Emergency telephone number	Chemtrec: (800) 424-9300
Relevant identified uses of the substance or mixture and uses advised against	Corrosion Preventative Compound

SECTION 2 Hazards identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Classification	Hazardous to the aquatic environment - Acute Category 2
Hazard Statements	Molten material can cause thermal burns. When heated, the vapors/fumes given off may cause respiratory tract irritation. Toxic to aquatic life.
Precautionary Statements	
Prevention	Avoid release to the environment.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Methylenebis(dibutylidithiocarbamate)	10254-57-6	0.1 - 1

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

SECTION 4 First aid measures

Inhalation	This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.
Eyes	Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

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Skin Contact Wash with soap and water. Get medical attention if irritation develops or persists. If burned by contact with hot material, molten material adhering to skin should be cooled as quickly as possible with water and see a physician for removal of adhering material and treatment of burn.

Note to Doctor Treat symptomatically.

SECTION 5 Firefighting measures

Fire Fighting Methods and Protection Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use appropriate methods for the surrounding fire.

Hazardous Combustion Products Aldehydes, Sulfur oxides, Oxides of carbon, Hydrocarbons

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures No health effects expected from the clean-up of this material, if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this SDS

Methods and materials for containment and cleaning up Collect and discard in accordance with local, state and national regulations.

SECTION 7 Handling and storage

Precautions for safe handling Mildly irritating material. Avoid unnecessary exposure. Avoid contact with molten material. When heated, the vapor/fumes given off may cause respiratory tract irritation. Do not allow water to enter molten material. Generated steam will cause excessive foaming and potential overflow.

Conditions for safe storage, including any incompatibilities Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials Acids, Strong oxidizing agents

SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
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No exposure limits in vapor form

Respiratory Protection No respiratory protection required under normal conditions of use.

Eye Protection Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Do not wear contact lenses. Have an eye wash station available.

Skin Protection Not normally considered a skin hazard. Where use of product can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. When handling material that has been heated, wear chemically resistant thermally insulating gloves, chemical resistant apron, long sleeves and other clothing as necessary to protect against thermal burns.

Gloves Heat insulating chemically resistant gloves

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SECTION 9 Physical and chemical properties (Typical, not specification)

Physical State	Solid (room temperature), molten liquid as applied
Color	Amber
Odor	Mild Petroleum Type
Odor Threshold	No data available
pH	No data available
Melting Point, °C	No data available
Boiling Point, °C	No data available
Flash Point	> 392 °F(200 °C)
Evaporation Rate	>1 (n-Butyl Acetate=1)
Flammability (Solid, Gas)	No data available
Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	< 1 mmHg
Vapor Density	>1 (Air=1)
Specific Gravity @ 25°C	0.89
Solubility in Water	Negligible; 0-1%
Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	Typical 50 cSt @ 40°C
Volatiles, % by weight	No data available
VOC, Method EPA 24, lb/gal	0.1
VOC, Method EPA 24, grams/liter	12
VOC minus exempt solvents & water, lb/gal	0.1

SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions. Hazardous polymerization will not occur.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatible materials	Acids, Strong oxidizing agents
Hazardous decomposition products	Decomposition and hazardous decomposition products are unlikely.

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SECTION 11 Toxicological information

Likely Routes of Entry Skin contact, Inhalation, Eye contact
Chemical Interactions That Change Toxicity No chemical interaction known to affect toxicity.

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation No hazard in normal industrial use.
Skin Contact Can cause minor skin irritation, defatting, and dermatitis.
Eye Contact Mild eye irritant.
Ingestion Irritation Ingestion is not considered a likely route of exposure. If swallowed, consult a physician.
Ingestion Toxicity Not believed to have any significant toxicity.

Long-Term (Chronic) Health Effects

Carcinogenicity Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
Reproductive and Developmental Toxicity No data available to indicate product or any components present 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% is mutagenic or genotoxic.
Inhalation Upon prolonged and/or repeated exposure, no hazard in normal industrial use.
Skin Contact Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
No data available		

SECTION 12 Ecological information

Overview	No ecological information available
Mobility	No data
Persistence	No data
Bioaccumulation	No data
Degradability	No data

Ecotoxicity Data

Chemical Name	CAS Number	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

SECTION 13 Disposal considerations

Waste Description for Spent Product Spent or discarded material is not expected to be a hazardous waste.
Disposal Methods Dispose of in accordance with Local and National regulations.
Waste Disposal Code(s) Not applicable

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SECTION 14 Transport information

Full Shipping Name for Export, Air, Sea (any quantity) or vessels of 119 gal. or more: Rust Inhibitor / Non-Hazardous
Domestic Ground in vessels < 119 gal. Not Regulated

SECTION 15 Regulatory information

TSCA Status All components in this product are on the TSCA Inventory or exempt.
Canadian DSL status: All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

Chemical Name	CAS #	Regulation	Percent
No 313-listed chemicals in this product		SARA 313	

SECTION 16 Other information

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Disclaimer Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.
Version Original
Comments Approved: J. Kump / M. Duncan