

Safety Data Sheet

Revision Date 01-20-2016
Revision Number 10

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

Product identification used on label

Product identifier	4083 NOX-RUST® VCI 1100
Details of the supplier of the safety data sheet	Daubert Cromwell 12701 S. Ridgeway Ave Alsip, IL 60803 708-293-7750
Emergency telephone number	Chemtrec: (800) 424-9300
Relevant identified uses of the substance or mixture and uses advised against	Corrosion Preventive/Lubricant Compound

SECTION 2 Hazards identification

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

GHS Classification	Not classified as hazardous under OSHA.
Hazard Statements	Not hazardous under OSHA regulations.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Hydrotreated (mild) heavy naphthenic	64742-52-5	70 - 100

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

SECTION 4 First aid measures

Inhalation	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Eyes	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
Note to Doctor	Treat symptomatically.

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SECTION 5 Firefighting measures

Extinguishing media	Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.
Fire and/or Explosion Hazards	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Can burn in fire, releasing toxic vapors.
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	Oxides of carbon

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods and materials for containment and cleaning up	Collect and discard in accordance with local, state and national regulations. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Use an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

SECTION 7 Handling and storage

Precautions for safe handling	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.
Conditions for safe storage, including any incompatibilities	Store in a cool dry place. Isolate from incompatible materials. Keep away from heat, sparks, and flame.
Incompatible materials	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>
Hydrotreated (mild) heavy naphthenic	5 mg/m3		5 mg/m3

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Engineering Measures	Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.
Respiratory Protection	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
Eye Protection	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
Skin Protection	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves	Impervious rubber

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

Physical State	Liquid
Color	Amber
Odor	Amine Type
Odor Threshold	No data available
pH	No data available
Melting Point, °C	No data available
Boiling Point, °C	No data available
Flash Point	225 °F(107 °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	No data available
Vapor Density	>1 (Air=1)
Specific Gravity @ 25°C	0.91
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 40 cSt @ 40°C
Volatiles, % by weight	No data available

SECTION 10 Stability and reactivity

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

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SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact
Target Organs Potentially Affected by Exposure	No organs known to be damaged from exposure to this product.
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.
Medical Conditions Aggravated	Skin contact may aggravate existing skin disease
Immediate (Acute) Health Effects by Route of Exposure	
Inhalation Irritation	Can cause minor respiratory irritation.
Skin Contact	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption	No absorption hazard expected in normal industrial use.
Eye Contact	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
Ingestion Toxicity	Harmful if swallowed.
Long-Term (Chronic) Health Effects	
Carcinogenicity	Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
Inhalation	Upon prolonged and/or repeated exposure, can cause respiratory irritation.
Skin Contact	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.
Skin Absorption	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion	Under normal industrial usage conditions, ingestion is highly unlikely.

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Hydrotreated (mild) heavy naphthenic	64742-52-5	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 5000 mg/kg

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 EC50 (48 hr) Water flea > 100 mg/L	Aquatic ERC50 Algae EC50 (72 hr) Algae > 100 mg/L	Aquatic LC50 Fish LC50 (96 hr) Fish > 100 mg/L
Hydrotreated (mild) heavy naphthenic	64742-52-5			

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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

SECTION 14 Transport information

Full shipping name for Export, Air, Sea (any quantity unless flash pt. >150°F) or vessels of 119 GL or more	Rust Inhibitor / Non-Hazardous
Domestic Ground in vessels < 119 gal.	Not Hazardous

SECTION 15 Regulatory information

Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	One or more chemical substances in this material are on the Canadian NDSL and the remainder are included on the Canadian DSL or are exempt.

Chemical Name	CAS #	Regulation	Percent
No CERCLA-listed chemicals in this product.		CERCLA	
No 313-listed chemicals in this product.		SARA 313	
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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	Reviewed
Comments	Approved: J. Kump