

Safety Data Sheet

Revision Date 03-11-2015
Revision Number 1

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

Product identification used on label

Product identifier

4495

NOX-RUST 5400

Details of the supplier of the safety data sheet

Daubert Cromwell

12701 S. Ridgeway Ave

Alsip, IL 60803

708-496-7350

Emergency telephone number

Chemtrec: (800) 424-9300

Relevant identified uses of the substance or mixture and uses advised against

Corrosion Preventive 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 middle distillate	64742-46-7	10 - 30

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	Immediately 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 and monitor the eye daily as advised by your physician.
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 and 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, or dry chemical 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 surface of the fire. Do Not direct a stream of water into the hot burning liquid. Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Fire and/or Explosion Hazards

Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

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, Hydrocarbons, Sulfur oxides

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

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

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. Remove contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Isolate from incompatible materials. Store in tightly sealed original container. Keep away from heat, sparks, and flame.

Incompatible materials

Strong oxidizing agents, Strong acids

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SECTION 8 Exposure controls/personal protection

Control parameters

Chemical Name

Hydrotreated middle distillate

ACGIH TLV

5 mg/m3 (oil mist)

ACGIH STEL

10 mg/m3 (oil mist)

OSHA PEL

5 mg/m3 (oil mist)

This product contains mineral oils having recommended exposure limits of 5 mg/m3 in mist form. Because the viscosity of this product is <= 20.5 cSt, mists can be formed in certain applications. If mists do form, use appropriate controls to maintain exposure below the stated limits.

Engineering Measures

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or using this material should be equipped with an eyewash and safety shower.

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. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Wear a NIOSH approved respirator if any exposure is possible.

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. 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

Protective Gloves Recommended.

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

Physical State

Oily liquid

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

275 °F(135 °C)

Evaporation Rate

>1 (n-Butyl Acetate=1)

Flammability (Solid, Gas)

No data available

Lower Flammable/Explosive Limit, % in air

No data available

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Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	< 1 mmHg
Vapor Density	>1 (Air=1)
Specific Gravity @ 25°C	0.88
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 15 cSt @ 40°C
Volatiles, % by weight	No data available
VOC, lb/gal	1.9
VOC, grams/liter	227.9
VOC minus exempt solvents & water, lb/gal	1.9

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.
Conditions to avoid	Contamination.
Incompatible materials	Strong oxidizing agents, Strong acids
Hazardous decomposition products	Decomposition and hazardous decomposition products are unlikely.

SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact
Target Organs Potentially Affected by Exposure	Kidneys, Liver, Respiratory Tract, Skin
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 moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity	Can cause systemic damage (see "Target Organs")
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.

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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.

Inhalation Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")

Skin Contact Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Skin Absorption Upon prolonged or repeated exposure, no hazard in normal industrial use.

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Hydrotreated middle distillate	64742-46-7	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 5000 mg/kg Inhalation LC50 (1h) Rat = 7 mg/L

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	Aquatic ERC50	Aquatic LC50
		Crustacea	Algae	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

SECTION 14 Transport information

Full Shipping Name for Rust Inhibitor - Non-Hazardous

Export, Air, Sea (any
quantity) or vessels of 119 gal.
or more:

Domestic Ground in vessels < Not Hazardous
119 gal.

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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