

# Safety Data Sheet

Revision Date 09-08-2014  
Revision Number 5



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

### Product identification used on label

Product identifier	4008 NOX-RUST X-210
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 Preventive Compound

## SECTION 2 Hazards identification

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

GHS Hazard  
Symbols



GHS Classification	Flammable Liquid Category 3
Signal Word	Warning
Hazard Statements	Flammable liquid and vapour.
Precautionary Statements	
Prevention	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge.
Response	Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Storage	Use dry chemical, water fog, CO <sub>2</sub> , foam or sand/earth for extinction. Keep container tightly closed.
Disposal	Store in a well-ventilated place. Keep cool. Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

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## SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Hydrotreated light distillate (Petroleum)	64742-47-8	90 - 99

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

## SECTION 4 First aid measures

<b>Inhalation</b>	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
<b>Eyes</b>	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.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
<b>Ingestion</b>	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this SDS.
<b>Note to Doctor</b>	Treat symptomatically.

## SECTION 5 Firefighting measures

<b>Extinguishing media</b>	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.
<b>Fire and/or Explosion Hazards</b>	Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition. 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.
<b>Fire Fighting Methods and Protection</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Use appropriate methods for the surrounding fire.
<b>Hazardous Combustion Products</b>	Oxides of carbon, Aldehydes, Smoke, Sulfur oxides, Barium oxides, Peroxides, Hydrocarbons

## SECTION 6 Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
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**Methods and materials for containment and cleaning up** Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste containers. Use clean, non-sparking tools to collect absorbed material. Collect and discard in accordance with local, state and national regulations.

## 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. Ground and bond containers when transferring material. "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 container closed when not in use. Keep away from heat, sparks, and flame. Purge container with nitrogen before resealing. Keep dry. Store away from sources of heat and light.

**Incompatible materials** Strong oxidizing agents, Hypochlorites, Chlorine

## 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 light distillate (Petroleum)	100 ppm (8hrs)		500 ppm (8 hr)

**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

**Respiratory Protection** Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. 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.

**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** 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** Chemically resistant gloves

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

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<b>Physical State</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Mild Hydrocarbon Solvent
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point, °C</b>	No data available
<b>Boiling Point, °C</b>	No data available
<b>Flash Point</b>	>= 100 °F( 38 °C)
<b>Evaporation Rate</b>	<1 (n-Butyl Acetate=1)
<b>Flammability (Solid, Gas)</b>	No data available
<b>Lower Flammable/Explosive Limit, % in air</b>	No data available
<b>Upper Flammable/Explosive Limit, % in air</b>	No data available
<b>Vapor Pressure</b>	3.4 mmHg
<b>Vapor Density</b>	>1 (Air=1)
<b>Specific Gravity @ 25°C</b>	0.8
<b>Solubility in Water</b>	Negligible; 0-1%
<b>Octanol/Water Partition Coefficient</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	1.3 cSt @ 40°C
<b>Volatiles, % by weight</b>	91.5
<b>VOC, Method EPA 24, lb/gal</b>	6
<b>VOC, Method EPA 24, grams/liter</b>	720
<b>VOC minus exempt solvents &amp; water, lb/gal</b>	6

## **SECTION 10 Stability and reactivity**

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<b>Chemical stability</b>	Stable under normal conditions. Hazardous polymerization will not occur. May form explosive peroxides
<b>Possibility of hazardous reactions</b>	Strong oxidizing agents, Hypochlorites, Chlorine
<b>Conditions to avoid</b>	Contamination. Elevated temperatures.
<b>Incompatible materials</b>	Strong oxidizing agents, Hypochlorites, Chlorine
<b>Hazardous decomposition products</b>	Decomposition and hazardous decomposition products are unlikely.

## **SECTION 11 Toxicological information**

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<b>Likely Routes of Entry</b>	Inhalation, Skin contact, Eye contact, Absorption
<b>Target Organs Potentially Affected by Exposure</b>	Kidneys, Liver, Eyes, Respiratory Tract, Lungs, Skin, Central Nervous System
<b>Chemical Interactions That Change Toxicity</b>	No chemical interaction known to affect toxicity.
<b>Medical Conditions Aggravated</b>	Liver disease, Skin contact may aggravate existing skin disease, Kidney disease, Respiratory disease including asthma and bronchitis

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## Immediate (Acute) Health Effects by Route of Exposure

<b>Inhalation Irritation</b>	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause mechanical irritation if dusts are generated. Other possible symptoms include; wheezing and coughing due to pulmonary edema (fluid build-up in lungs).
<b>Inhalation Toxicity</b>	Non-Toxic. Not known to cause systemic damage.
<b>Skin Contact</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Skin Absorption</b>	May cause irritation and minor systemic damage.
<b>Eye Contact</b>	Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
<b>Ingestion Irritation</b>	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Substance is harmful if swallowed. Large exposure may be fatal.
<b>Ingestion Toxicity</b>	Harmful if swallowed.

## Long-Term (Chronic) Health Effects

<b>Carcinogenicity</b>	Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
<b>Reproductive and Developmental Toxicity</b>	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Inhalation</b>	Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
<b>Skin Contact</b>	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.
<b>Skin Absorption</b>	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

**Eyes (Draize score)** This material is estimated to be non-irritating eyes (Draize score <15 [rabbits]).

## Component Toxicology Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Hydrotreated light distillate (Petroleum)	64742-47-8	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 5000 mg/kg

## SECTION 12 Ecological information

<b>Overview</b>	No ecological information available
<b>Mobility</b>	No data
<b>Persistence</b>	No data
<b>Bioaccumulation</b>	No data
<b>Degradability</b>	No data

## Ecotoxicity Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Aquatic EC50 Crustacea</b>	<b>Aquatic ERC50 Algae</b>	<b>Aquatic LC50 Fish</b>
No data available				

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## SECTION 13 Disposal considerations

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**Waste Description for Spent Product** Spent or discarded material may be a hazardous waste.  
**Disposal Methods** Dispose of by incineration following Federal, State, Local, or Provincial regulations.  
**Waste Disposal Code(s)** D001

## SECTION 14 Transport information

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**Full Shipping Name for Export, Air, Sea (any quantity) or vessels of 119 gal. or more:** UN1268 , PETROLEUM DISTILLATES, N.O.S., (Naphtha Solvent), 3, PG III  
**Domestic Ground in vessels < 119 gal.** Not Regulated

## SECTION 15 Regulatory information

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**TSCA Status** All components in this product are on the TSCA Inventory or exempt.

Chemical Name	CAS #	Regulation	Percent
Barium compounds	68425-33-2	SARA 313	1 - 5
Barium compounds	61790-48-5	SARA 313	0.5 - 1.5

## SECTION 16 Other information

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**Revision Date** 09-08-2014  
**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: M. Longo