



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)  
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team  
Zep Inc.

# Safety Data Sheet



Stock Number: 4008001  
Revision Date: 10-29-2024  
Replaces: 02-02-2022

## NOX-RUST® X-210

### 1. Identification

Product identifier used on the label: **NOX-RUST® X-210**  
Stock Number: 4008001

Other means of identification:

Synonyms: None  
Chemical family: Mixture

Recommended use of the chemical and restrictions on use:

Recommended use: Corrosion Preventative Compound

Restrictions on use: Uses other than those described above

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: Daubert Chemical Company  
4700 S. Central Avenue  
Chicago, IL 60638

Telephone number: 1-708-496-7350

E-mail address: SDS@Daubert.com

Emergency phone number: Chemtrec: (800) 424-9300 - in USA and Canada  
+1-703-527-3887 - outside USA and Canada

### 2. Hazard(s) identification

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

GHS Hazard  
Symbols:



GHS Classification: Aspiration Hazard Category 1; Hazardous to the aquatic environment - Acute Category 2; Flammable Liquid Category 3; Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor  
May be fatal if swallowed and enters airways  
May cause respiratory irritation  
Toxic to aquatic life

Unclassified Hazards (HNOC): None Identified

Precautionary Statements:

Prevention: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Ground/bond container and receiving equipment.

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Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing fume/gas/mist/ vapors/spray.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

If swallowed: Immediately call a POISON CENTER or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Call a poison center/doctor if you feel unwell.

Do NOT induce vomiting.

In case of fire: Use appropriate media to extinguish.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

**Disposal:**

Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

**Hazards not otherwise classified:**

No data available

### 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Distillates (petroleum), hydrotreated light	None	64742-47-8	80 - 100
n-Nonane	None	111-84-2	3 - 7
Hydrocarbon waxes (petroleum), oxidized	None	64743-00-6	3 - 7
Ethanol, 2-(2-butoxyethoxy)-	None	112-34-5	1 - 5

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

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## 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

<b>Inhalation:</b>	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
<b>Eye Contact:</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. 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>Most important symptoms/effects, acute and delayed:</b>	May be fatal if swallowed and enters airways May cause respiratory irritation
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	Consult a physician. Treat symptomatically.

## 5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

<b>Suitable 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.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical:</b>	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. 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>Hazardous combustion products:</b>	Oxides of carbon, Aldehydes, Smoke, Sulfur oxides, Barium oxides, Peroxides, Hydrocarbons

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**Special protective equipment and precautions for fire-fighters:**

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.

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**6. Accidental release measures**

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**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 8 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:**

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.

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**7. Handling and storage**

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**Precautions for safe handling:**

Avoid contacting and avoid breathing the material. Use only in a well-ventilated area. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Conditions for safe storage, including any incompatibilities:****Safe storage conditions:**

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Store away from sources of heat and light. Do not store in direct sunlight. Keep away from heat, sparks, and flame.

**Materials to Avoid/Chemical Incompatibility:**

Strong oxidizing agents, Acids, Aluminum alloys, Caustics (bases), Metals

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## 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Distillates (petroleum), hydrotreated light		200 mg/m <sup>3</sup>		No data available
n-Nonane		200 ppm		No data available
Ethanol, 2-(2-butoxyethoxy)-		10 ppm		No data available

This product contains mineral oils having recommended exposure limits of 5 mg/m<sup>3</sup> 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.

### Appropriate engineering controls:

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.

### Individual protection measures, such as personal protective equipment:

#### 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.

#### Respirator Type(s):

NIOSH approved air purifying respirator with organic vapor cartridge.

#### Eye protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

When handling material that is heated, wear chemically resistant safety glasses with side shields and a face shield.

#### 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

#### Other protective equipment:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash

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goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

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 is heated, wear chemically resistant safety glasses with side shields and a face shield.

## General hygiene conditions:

Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

## 9. Physical and chemical properties

### Appearance (physical state, color etc.):

Physical state:

Liquid

Color:

Amber

Odor:

Mild

Hydrocarbon Solvent

Odor Threshold:

No data available

pH:

No data available

Melting point/freezing point (°C):

Melting Point (°C):

No data available

Freezing point (°C):

No data available

Initial boiling point and boiling range (°C):

No data available

Flash Point:

>= 105 °F( 41 °C)

Evaporation Rate:

<1 (n-Butyl Acetate=1)

Flammability (solid, gas):

No data available

Upper/lower flammability or explosive limits:

Upper flammability or explosive limits:

No data available

Lower flammability or explosive limits:

No data available

Vapor pressure:

3.4 mmHg @ 20°C

Vapor density:

>1 (Air=1)

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Relative density:	0.791
Solubility(ies):	Negligible; 0-1%
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition Temperature (°C):	No data available
Viscosity:	1.3 cSt @ 40°C
Volatiles, % by weight:	90.0
VOC, Material, lb/gal	5.93
VOC, Material, grams/liter	710
VOC minus exempt solvents & water, g/L	711

## 10. Stability and reactivity

Reactivity:	Not expected to be reactive
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Dried product residue (can act as an oxidizer). Elevated temperatures. Contamination.
Incompatible materials:	Strong oxidizing agents, Acids, Aluminum alloys, Caustics (bases), Metals
Hazardous decomposition products:	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

## 11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye contact, Skin contact, Inhalation
Symptoms related to the physical, chemical and toxicological characteristics:	May be fatal if swallowed and enters airways. May cause respiratory irritation

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity:	Harmful if swallowed.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis.
Inhalation Toxicity:	Non-Toxic. Not known to cause systemic damage.



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<b>Eye Contact:</b>	Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
<b>Sensitization:</b>	None known
<b>Mutagenicity:</b>	No data
<b>Reproductive and Developmental</b>	No data available
<b>Toxicity:</b>	
<b>Carcinogenicity:</b>	There are no carcinogenic ingredients present at or over 0.1%.
<b>STOT-single exposure:</b>	Classification has been based on toxicological information of the components in Section 3.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Classification has been based on toxicological information of the components in Section 3.

## Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated light			Inhalation LC50 (4h) Rat > 20 mg/L
n-Nonane	Oral LD50 Rat > 5000 mg/kg		

Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC)

Monographs (latest edition), or by OSHA?:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.			

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## 12. Ecological information

### Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
n-Nonane	111-84-2	EC50(48 HR) WATER FLEA 0.2 mg/L	No data available	No data available
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	EC50(24HR) Daphnia 2850 mg/L	No data available	LC50(96 HR) FISH = 1300 mg/L

Persistence and degradability:	No data
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects (such as hazardous to the ozone layer):	No data available

## 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Spent or discarded material may be a hazardous waste. Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste codes / waste designations:	D001

## 14. Transport information

Domestic Ground in containers <= 119 GL	Corrosion preventive/Non-Regulated
Domestic Ground in containers > 119 GL	UN1268, PETROLEUM DISTILLATES, N.O.S.,(Naphtha Solvent), Combustible liquid, PG III
Shipping name for Export, Air (IATA)	UN1268, PETROLEUM DISTILLATES, N.O.S.,(Naphtha Solvent),3, PG III
Shipping name for Export, Sea (IMDG)	UN1268, PETROLEUM DISTILLATES, N.O.S.,(Naphtha Solvent),3, PG III
Marine Pollutant?	No

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## 15. Regulatory information

### International Inventory

Country(s) or region		On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Inventory	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or are unknown from listing on the inventory administered by the governing country(s).

Chemical Name	CAS #	Regulation	Percent
Naphthalene	91-20-3	Prop. 65 - Cancer	TRACE
Cumene	98-82-8	Prop. 65 - Cancer	TRACE
Benzene	71-43-2	Prop. 65 - Cancer	TRACE

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Ethylbenzene	100-41-4	Prop. 65 - Cancer	TRACE
Benzene	71-43-2	Prop. 65 - Developmental and/or Reproductive	TRACE
Toluene	108-88-3	Prop. 65 - Developmental and/or Reproductive	<0.1
Toluene	108-88-3	CERCLA	<0.1  RQ = 1000 lbs
Naphthalene	91-20-3	CERCLA	TRACE  RQ = 100 lbs.
Cumene	98-82-8	CERCLA	TRACE  RQ = 5000 lbs.
Benzene	71-43-2	CERCLA	TRACE  RQ = 10 lbs.
Ethylbenzene	100-41-4	CERCLA	TRACE  RQ = 1000 lbs.
Naphthalene	91-20-3	SARA 313	TRACE
Cumene	98-82-8	SARA 313	TRACE
Benzene	71-43-2	SARA 313	TRACE
Ethylbenzene	100-41-4	SARA 313	TRACE
Glycol ethers (N230)	111-76-2	SARA 313	TRACE
Toluene	108-88-3	SARA 313	<0.1
Barium Compounds (N040)	4696-54-2	SARA 313	0.5 - 1.5
Barium compounds (N040)	61790-48-5	SARA 313	1 - 5

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Glycol Ethers (N230)	112-34-5	SARA 313	1 - 5
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No SARA 302 EHS-listed chemicals in this product.	SARA EHS
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<b>16. Other information, including date of preparation or last revision.</b>
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SDS Prepared by:	REGULATORY
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Revision Date:	10-29-2024
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Revision Number:	35
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Reason for revision:	Reviewed Approved: M. Longo
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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.
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