

# Safety Data Sheet

**DAUBERT**  
CHEMICAL COMPANY, INC.

Stock Number: 5010001  
Revision Date: 03-27-2024  
Replaces: 02-24-2023

## NOX-RUST® 501LS

### 1. Identification

Product identifier used on the label: **NOX-RUST® 501LS**  
Stock Number: 5010001

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: Flammable Liquid Category 3; Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

Signal Word: Warning

Hazard Statements: Flammable liquid and vapor  
May cause respiratory irritation

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.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.

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

Use only outdoors or in a well-ventilated area.

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

**Response:**

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.

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	45 - 70
Light aromatic solvent naphtha	None	64742-95-6	1 - 5
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	None	70024-69-0	0.1 - 1

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

### 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:

**Inhalation:**

If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.

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<b>Eye Contact:</b>	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.
<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 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:

**Suitable extinguishing media:** Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical:

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.

### Hazardous combustion products:

Oxides of carbon, Incomplete combustion products, Fume, Smoke, Sulfur oxides, Wax and Oil fumes, Hydrogen sulfide

### 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

**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:** 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.

## 7. Handling and storage

**Precautions for safe handling:** Mildly irritating material. Avoid unnecessary exposure. Use bonding and grounding when transferring quantities of material. Ground and bond containers when transferring material. Avoid contact with material, avoid breathing dusts or fumes, 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. Prevent small spills and leakage to avoid slip hazard.

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

**Safe storage conditions:** Store in a cool dry place. Isolate from incompatible materials. Keep away from heat, sparks, and flame. Keep container closed when not in use.

**Materials to Avoid/Chemical Incompatibility:** Strong oxidizing agents, Strong acids

## 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
Light aromatic solvent naphtha	400 mg/m <sup>3</sup>			No data available

**Appropriate engineering controls:** Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

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Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

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. 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.

### 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. Do not wear contact lenses.

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

### Skin protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. 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. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

### Gloves:

Impervious rubber

### Other protective equipment:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. 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.

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

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

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## General hygiene conditions:

Use spark-proof tools and explosion-proof equipment. Follow all protective equipment recommendations provided in Section 8. Use bonding and grounding when transferring quantities of material. Ground and bond containers when transferring material. Avoid contact with material, avoid breathing dusts or fumes, use only in a well-ventilated area. Prevent small spills and leakage to avoid slip hazard. "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: Black

Odor: Petroleum Type

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: No data available

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: No data available

Vapor density: No data available

Relative density: 0.879

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

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Viscosity:	< 1500 cP
Volatiles, % by weight:	49.65
VOC, Material, lb/gal	3.64
VOC, Material, grams/liter	436.5
VOC minus exempt solvents & water, g/L	436.5

## 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):	Sparks, open flame, other ignition sources, and elevated temperatures. Elevated temperatures. Contamination.
Incompatible materials:	Strong oxidizing agents, Strong acids
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 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. May cause skin irritation. Allergic reactions are possible. May cause sensitization.

Inhalation Toxicity: May cause respiratory irritation

Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Sensitization: None known

Mutagenicity: No data

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<b>Reproductive and Developmental Toxicity:</b>	No data available
<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>	Based on available data, the classification criteria are not met.

## 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
Light aromatic solvent naphtha			Inhalation LC50 (4h) Rat 61 mg/L

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.			

## 12. Ecological information

### Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Light aromatic solvent naphtha	64742-95-6	EC50(48 HR) WATER FLEA 2.7 - 5.1 mg/L	No data available	LC50(96 HR) RAINBOW TROUT 8.8 mg/L

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



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## 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 is 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

## 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

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Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Inventory	Yes
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
Cumene	98-82-8	Prop. 65 - Cancer	<0.1
Naphthalene	91-20-3	Prop. 65 - Cancer	TRACE
Benzene	71-43-2	Prop. 65 - Cancer	TRACE
Ethylbenzene	100-41-4	Prop. 65 - Cancer	TRACE
Toluene	108-88-3	Prop. 65 - Developmental and/or Reproductive	<0.1
Benzene	71-43-2	Prop. 65 - Developmental and/or Reproductive	TRACE
Xylene	1330-20-7	CERCLA	<0.1

RQ = 100 lbs.

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Cumene	98-82-8	CERCLA	<0.1 RQ = 5000 lbs.
Toluene	108-88-3	CERCLA	<0.1 RQ = 1000 lbs
Naphthalene	91-20-3	CERCLA	TRACE RQ = 100 lbs.
Benzene	71-43-2	CERCLA	TRACE RQ = 10 lbs.
Ethylbenzene	100-41-4	CERCLA	TRACE RQ = 1000 lbs.
1,2,4-Trimethylbenzene	95-63-6	SARA 313	0.5 - 1.5
Xylene	1330-20-7	SARA 313	<0.1
Cumene	98-82-8	SARA 313	<0.1
Toluene	108-88-3	SARA 313	<0.1
Naphthalene	91-20-3	SARA 313	TRACE
Benzene	71-43-2	SARA 313	TRACE
Ethylbenzene	100-41-4	SARA 313	TRACE
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:** DAUBERT\HALINSKI

**Revision Date:** 03-27-2024

**Revision Number:** 46

**Reason for revision:** Reviewed  
Approved: K. Slegel

**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.