

Safety Data Sheet

DAUBERT
CHEMICAL COMPANY, INC.

Stock Number: 5010001
Revision Date: 01-20-2020
Replaces: 07-16-2019

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 Preventive 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: 1-800-424-9300 (International)

2. Hazard(s) identification

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

GHS Hazard Symbols:



GHS Classification: Skin Corrosion/Irritation Category 2; Flammable Liquid Category 3; Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

Signal Word: Warning

Hazard Statements: Flammable liquid and vapor
Causes skin irritation
May cause drowsiness or dizziness

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.

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Take precautionary measures against static discharge.

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

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

Response:

If on skin: Wash with plenty of water.

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.

Specific treatment: see Section 4 on this SDS.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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 # | % |
|---|--------------------------|------------|---------|
| Hydrotreated light distillate (Petroleum) | None | 64742-47-8 | 45 - 70 |
| Light aromatic solvent naphtha | None | 64742-95-6 | 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:

- Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
- Eye Contact:** 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. 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. If vomiting occurs, lean victim forward to reduce risk of aspiration into lungs.

Most important symptoms/effects, acute and delayed: Causes skin irritation. May cause drowsiness or dizziness

Indication of immediate medical attention and special treatment needed, if necessary: 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, Sulfur oxides, Hydrogen sulfide, Smoke

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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.

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. 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. Ground and bond containers when transferring material. 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 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 |
|---|-----------------------|-----------------------|-------------------|-------------------|
| Hydrotreated light distillate (Petroleum) | | 200 mg/m ³ | No data available | No data available |
| Light aromatic solvent naphtha | 400 mg/m ³ | No data available | No data available | No data available |

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Appropriate engineering controls:

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

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.

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.

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General hygiene conditions:

Follow all protective equipment recommendations provided in Section 8. Use bonding and grounding when transferring quantities of 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. Ground and bond containers when transferring material. 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.

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| 9. Physical and chemical properties |
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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

Viscosity: < 1500 cP

Volatiles, % by weight: 49.65

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|--|-------|
| 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: | Causes skin irritation. . May cause drowsiness or dizziness |

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: | No data available |
| 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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|---|--|
| Reproductive and Developmental Toxicity: | No data available |
| Carcinogenicity: | There are no carcinogenic ingredients present at or over 0.1%. |
| STOT-single exposure: | Classification has been based on toxicological information of the components in Section 3. |
| STOT-repeated exposure: | Based on available data, the classification criteria are not met. |
| Aspiration hazard: | 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 |
|---|-----------|-------------|------------------------------------|
| Hydrotreated light distillate (Petroleum) | | | 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

Ecotoxicity (aquatic and terrestrial, where available): No data available

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 |

Persistence and degradability: No data

Bioaccumulative potential: No data available

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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 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

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 | All chemical substances in this material are included on or exempted from listing on the Canadian DSL. |

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| 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. |
| 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 |

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| | | | |
|--|----------|----------|-------|
| 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 | |

16. Other information, including date of preparation or last revision.

SDS Prepared by: DAUBERT\HALINSKI

Revision Date: 01-20-2020

Revision Number: 40

Reason for revision: Reviewed
Approved: M. Duncan

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.