

Safety Data Sheet



Stock Number: 1786060
Revision Date: 01-10-2025
Replaces: 09-12-2022

NOX-RUST® X-121B (Aerosol)

1. Identification

Product identifier used on the label: **NOX-RUST® X-121B (Aerosol)**
Stock Number: 1786060

Other means of identification:

Synonyms: None
Chemical family: Mixture

Recommended use of the chemical and restrictions on use:

Recommended use: Flexible Corrosion Preventative Coating
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 Aerosol Category 1; Gases under pressure - Liquified Gas; Flammable Liquid Category 1; Aspiration Hazard Category 1; Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3; Hazardous to the aquatic environment - Acute Category 3

Signal Word: Danger

Hazard Statements: Extremely flammable aerosol
Extremely flammable liquid and vapor
Contains gas under pressure; may explode if heated
May be fatal if swallowed and enters airways
May cause respiratory irritation
Harmful to aquatic life

Unclassified Hazards (HNO): None Identified

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Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Do not spray on an open flame or other ignition source.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Pressurized container: Do not pierce or burn, even after use.

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.

Protect from sunlight. Store in a well-ventilated place.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Disposal:

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

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Hazards not otherwise classified:

Carbon black, when present in paint, grease or a liquid coating is not known to present a carcinogen hazard as it is bound within a matrix. Risks associated with this chemical is attributable to dust (inhalation) exposures, and not to exposures from formulated products, like paint, grease, or a liquid coating, where the dust is embedded in the mixture and not available for exposure. Particles released from sanding and sawing mixtures, including paints, lacquers, and epoxy solids containing carbon black, have been characterized. Pure chemical particles are not released during these uses, but rather the particles remain embedded in the coating matrices.

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Distillates (petroleum), hydrotreated light	None	64742-47-8	15 - 40
Propane	None	74-98-6	15 - 40
Butane	None	106-97-8	10 - 30
n-Nonane	None	111-84-2	1 - 5
Carbon black	None	1333-86-4	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.

Eye Contact:

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.

Most important symptoms/effects, acute and delayed:

May be fatal if swallowed and enters airways May cause respiratory irritation

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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 spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to 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 heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. Flammable Gas. Can readily form explosive air/gas mixture at room temperature or at lower temperatures that are above the flash point. 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, Calcium oxides

Special protective equipment and precautions for fire-fighters:

Do not enter fire area without proper protection including self-contained toxic 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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. Use appropriate methods for the surrounding fire.

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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 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. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

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. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. Handling and storage

Precautions for safe handling:

Avoid contacting and avoid breathing the material. Use only in a well-ventilated area. 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. Prevent small spills and leakage to avoid slip hazard.

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. Limit quantity of material stored. Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition. Keep container closed when not in use.

Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents

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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 ³		No data available
Propane	1000 ppm TWA; 1800 mg/m ³ TWA	1000 ppm		No data available
Butane		1000 ppm	1000 ppm	No data available
n-Nonane		200 ppm		No data available
Carbon black	3.5 mg/m ³ (inhalable)	3.5 mg/m ³ (inhalable)		No data available

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.

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 control vapor concentrations to below levels published in 29 CFR 1910.1000.

Explosion proof exhaust ventilation should be used.

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. Wear a NIOSH approved respirator if any exposure is possible.

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.

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	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 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:	Do not use pressure to empty container. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Follow all protective equipment recommendations provided in Section 8. Use with adequate ventilation Prevent small spills and leakage to avoid slip hazard. 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:	Spray Aerosol Liquid
Color:	Black
Odor:	Mild
Odor Threshold:	No data available
pH:	No data available
Melting point/freezing point (°C):	
Melting Point (°C):	No data available

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Freezing point (°C):	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point:	-155 °F(-104 °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:	2 mmHg @ 20°C
Vapor density:	No data available
Relative density:	0.837
Solubility(ies):	Insoluble 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:	Typical 20 cSt @ 40°C
Volatiles, % by weight:	67.3
VOC, Material, lb/gal	6.49
VOC, Material, grams/liter	777.8
VOC minus exempt solvents & water, g/L	781.9

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. High temperatures. Elevated temperatures. Contamination.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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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:

Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.. This product is an asphyxiant gas that can cause unconsciousness or death if Oxygen levels are sufficiently reduced.

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

Ingestion Toxicity:

Harmful if swallowed. Estimated to be > 5.0 g/kg; practically non-toxic.

Skin Contact:

Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Inhalation Toxicity:

Toxic! Can cause systemic damage. Respiratory failure is possible at high doses.

Eye Contact:

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.

Sensitization:

None known

Mutagenicity:

No data

Reproductive and Developmental Toxicity:

No data available

Carcinogenicity:

Carbon black has been classified by IARC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species. Carbon Black in a coating product, either in wet or dry form, is encapsulated and unlikely to be present in small enough particles to present an inhalation risk. Normal precautions should be taken if the dry coating is to be severely abraded by sanding or sandblasting.

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.

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Aspiration hazard: 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
Propane			Inhalation LC50 (4h) Rat 658 mg/L
Butane			Inhalation LC50 (4h) Rat 658 G/M3
n-Nonane	Oral LD50 Rat > 5000 mg/kg		
Carbon black	Oral LD50 Rat > 8000 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
Carbon black	N	Y	N

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
Carbon black	1333-86-4	EC50(24HR) WATER FLEA > 5600 mg/L	EC50(72HR) ALGAE > 10000 mg/L	LC50(96 HR) ZEBRA FISH > 1000 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

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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	UN1950, AEROSOLS,2.1
Domestic Ground in containers > 119 GL	Not Applicable, ships in typical aerosol cans
Shipping name for Export, Air (IATA)	ID 8000, Consumer Commodity,9, PG Not Assigned
Shipping name for Export, Sea (IMDG)	UN1950, Aerosols,2.1, PG Not Assigned
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)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
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

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Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
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
Benzene	71-43-2	Prop. 65 - Cancer	TRACE
Cumene	98-82-8	Prop. 65 - Cancer	TRACE
Naphthalene	91-20-3	Prop. 65 - Cancer	TRACE
Ethylbenzene	100-41-4	Prop. 65 - Cancer	<0.1
Carbon black	1333-86-4	Prop. 65 - Cancer	0.1 - 1
Benzene	71-43-2	Prop. 65 - Developmental and/or Reproductive	TRACE
Toluene	108-88-3	Prop. 65 - Developmental and/or Reproductive	TRACE
Xylene	1330-20-7	CERCLA	<0.1
			RQ = 100 lbs.
Ethylbenzene	100-41-4	CERCLA	<0.1
			RQ = 1000 lbs.

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Toluene	108-88-3	CERCLA	TRACE 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.
Benzene	71-43-2	SARA 313	TRACE
Cumene	98-82-8	SARA 313	TRACE
Naphthalene	91-20-3	SARA 313	TRACE
Toluene	108-88-3	SARA 313	TRACE
Ethylbenzene	100-41-4	SARA 313	<0.1
Xylene	1330-20-7	SARA 313	<0.1
Cobalt Compounds (N096)	68553-15-1	SARA 313	1 - 5
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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

SDS Prepared by: REGULATORY

Revision Date: 01-10-2025

Revision Number: 43

Reason for revision: Reviewed / Approved: M. Longo

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.