Safety Data Sheet

DAUBERT CHEMICAL COMPANY, INC.

Stock Number: 4912061
Date of the latest revision of the safety data sheet: 09-02-2022
Supercedes: 01-26-2022

NOX-RUST® 7703-W (Aerosol)

1 Identification

(a) Product Identifier: **NOX-RUST® 7703-W (Aerosol)**
Stock Number: 4912061
(b) Other means of identification:

Synonyms: None
Chemical Family: Mixture

(c) Recommended use and restrictions on use:
Recommended use: Flexible Corrosion Preventive Coating

Restrictions on use: Uses other than those described above
(d) Initial Supplier Identifier: Daubert Chemical Company
4700 S. Central Avenue
Chicago, IL 60638
Tel No.: 1-708-496-7350

Email: SDS@Daubert.com

May also be distributed by: Corrosion Control Coatings, Ltd.
106 Colborne Street North
Walkerton ON, Canada
N0G 2V0
Tel No.: 1-800-934-7771

(e) Emergency telephone number and any restrictions on the use of that number, if applicable: CHEMTREC: 1-800-424-9300 - in USA and Canada
+1-703- 527-3887 - outside USA and Canada

2 Hazard identification

(a) Classification of the hazardous product, namely the appropriate category or subcategory of the hazard class identified in Subparts 2 to 19 of Part 7 or Subparts 1 to 11 of Part 8, or a name that is its substantive equivalent, or for Subpart 20 of Part 7 and Subpart 12 of Part 8, the category of the hazard class or a description of the identified hazard: 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

(b) Information elements referred to in section 3 of Annex 3 of the GHS and in paragraphs 3(1)(d) to (f) of these Regulations for each of those categories or subcategories. If the required information element is a symbol, either the name of the symbol or the symbol itself may be used:

GHS Hazard class symbols:

Warning word: Danger

Hazard statements:
Extremely flammable aerosol
Extremely flammable liquid and vapour
Pressurized container: may burst if heated
Contains gas under pressure; may explode if heated
May be fatal if swallowed and enters airways
May cause respiratory irritation
May cause drowsiness or dizziness

Precautionary statements:

Prevention:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Ground and bond container and receiving equipment.
Use explosion-proof equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Do not pierce or burn, even after use.
Avoid breathing dust/fume/gas/mist/ vapours/spray.
Use only outdoors or in a well-ventilated area.
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 [or 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 an appropriate extinguisher (see section 5) 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.

(c) Other hazards known to the supplier with respect to the hazardous product:

Physical hazards not otherwise classified None Known

Health hazards not otherwise classified No data available

3 Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS registry number and any unique identifiers	Concentration
Distillates (petroleum), hydrotreated light	None	64742-47-8	45 - 70
Propane	None	74-98-6	15 - 40
Butane	None	106-97-8	7 - 13

4 First-aid measures

(a) A description of necessary first aid measures, subdivided according to the different routes of exposure (inhalation, ingestion, skin and eye contact):

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. If vomiting occurs, lean victim forward to reduce risk of aspiration into lungs.

(b) The most important symptoms and effects, whether acute or delayed: May be fatal if swallowed and enters airways May cause respiratory irritation May cause drowsiness or dizziness

(c) An indication of immediate medical attention and special treatment needed, if necessary: Specific treatment (see Section 4 on SDS).

5 Fire-fighting measures

(a) 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.

(b) Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion: 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, Calcium oxides, Sulfur oxides

(c) Special protective equipment and precautions for firefighters: 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.

6 Accidental release measures

(a) 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.

(b) 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

(a) 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.

(b) Conditions for safe storage, including any incompatibilities:

Conditions for safe storage: 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

8 Exposure controls/personal protection

(a) Control parameters, including occupational exposure limit values or biological limit values and the source of those values:

Canada – Alberta – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – British Columbia– Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Manitoba – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – New Brunswick – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Newfoundland & Labrador – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Northwest Territories – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Nova Scotia – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Nunavut – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Ontario – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Prince Edward Island – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Quebec – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAEVs	Occupational Exposure Limits - STEVs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada – Saskatchewan – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Canada - Yukon – Occupational Exposure Limits:

Chemical Name	Occupational Exposure Limits - TWAs	Occupational Exposure Limits - STELs	Occupational Exposure Limits - Ceiling
Distillates (petroleum), hydrotreated light	No data available	No data available	No data available
Propane	No data available	No data available	No data available
Butane	No data available	No data available	No data available

Chemical Name	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL	IDLH
Distillates (petroleum), hydrotreated light		200 mg/m3		No data available
Propane	1000 ppm TWA; 1800 mg/m3 TWA	1000 ppm		No data available
Butane		1000 ppm	1000 ppm	No data available

(b) 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.

(c) 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 workplace 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 and face 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.
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.
Hand protection:	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.
General hygiene conditions:	Do not use pressure to empty container. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use with adequate ventilation 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

(a) Appearance, such as physical state and colour:	
Physical state:	Spray Aerosol
Colour:	Tan
(b) Odour:	Solvent Odor
(c) Odour threshold:	No data available
(d) pH:	No data available
(e) Melting point and freezing point:	
Melting point (°C):	No data available
Freezing point (°C):	No data available

(f) Initial boiling point and boiling range (°C):	No data available
(g) Flash point (°C):	-104
(h) Evaporation rate:	No data available
(i) Flammability, in the case of solids and gases:	No data available
(j) Upper and lower flammability or explosive limits:	
Upper flammable or explosive limit, % in air:	No data available
Lower flammable or explosive limit, % in air:	No data available
(k) Vapour pressure:	No data available
(l) Vapour density:	No data available
(m) Relative density:	0.705
(n) Solubility:	Negligible; 0-1%
(o) Partition coefficient — n-octanol/water:	No data available
(p) Auto-ignition temperature (°C):	No data available
(q) Decomposition temperature (°C):	No data available
(r) Viscosity:	Typical 20 cSt @ 40°C
(s) VOC, Material, grams/liter:	846.0

10 Stability and reactivity

(a) Reactivity:	Not expected to be reactive
(b) Chemical stability:	Stable under normal conditions.
(c) Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
(d) Conditions to avoid, including static discharge, shock or vibration:	Sparks, open flame, other ignition sources, and elevated temperatures. Elevated temperatures. Contamination.
(e) Incompatible materials:	Strong oxidizing agents
(f) Hazardous decomposition products:	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

11 Toxicological information

Description of the various toxic health effects and the data used to identify those effects:

(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye contact, Skin contact, Inhalation
(b) 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.

(c) Delayed and immediate effects, and chronic effects from short-term and long-term exposure:

Immediate effects from short term exposure:

Inhalation Toxicity:	Toxic! Can cause systemic damage. Respiratory failure is possible at high doses.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	No data available
Ingestion Toxicity:	Harmful if swallowed. Estimated to be > 5.0 g/kg; practically non-toxic

Delayed and chronic effects from long term exposure:

Carcinogenicity:	There are no carcinogenic ingredients present at or over 0.1%.
Reproductive and Developmental Toxicity:	No data available
Mutagenicity:	No data available
Inhalation:	Toxic! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs). Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion:	Under normal industrial usage conditions, ingestion is highly unlikely.
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:	Classification has been based on toxicological information of the components in Section 3.

12 Ecological information

(a) Ecotoxicity (aquatic and terrestrial, if available): No data available

Ecological Toxicity Data:

Chemical Name	CAS registry number and any unique identifiers	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

(b) Persistence and degradability: No data

(c) Bioaccumulative potential:	No data available
(d) Mobility in soil:	No data available
(e) Other adverse effects:	No data available

13 Disposal considerations

Information on safe handling for disposal and methods of disposal, including any contaminated packaging:	Spent or discarded material is a hazardous waste.

14 Transport information

Transportation of Dangerous Goods by land (TDG):

UN1950, AEROSOLS,2.1

International carriage of dangerous goods by sea (IMDG/IMO):

UN1950, Aerosols,2.1

International carriage of dangerous goods by air (IATA):

ID8000, Consumer Commodity,9

(e) Environmental hazards according to the International Maritime Dangerous Goods Code and the United Nations Model Regulations:	No
(f) Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78) and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)):	No data available
(g) Special precautions in connection with transport or conveyance either within or outside the premises:	No data available

15 Regulatory information

International Inventory

Country(s) or region	Inventory Name	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)	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) or are exempt.

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).

16 Other information

Date of the latest revision of the safety data sheet:	09-02-2022
Revision Number:	13
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.