

Safety Data Sheet

Revision Date 07-18-2014
Revision Number 1

SECTION 1 Identification of the substance/mixture and of the company/undertaking

Product identification used on label

Product identifier	3075 Nox-Rust 7300
Details of the supplier of the safety data sheet	Daubert Cromwell 12701 S. Ridgeway Ave Alsip, IL 60803 708-293-7750
Emergency telephone number	Chemtrec: (800) 424-9300
Relevant identified uses of the substance or mixture and uses advised against	Corrosion Preventive Compound

SECTION 2 Hazards identification

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

GHS Hazard Symbols



GHS Classification

Aspiration Hazard Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2A
Flammable Liquid Category 4

Signal Word Hazard

Danger

Hazard Statements

Combustible Liquid
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Wash thoroughly after handling.

Response

Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment: None known
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Use dry chemical, water fog, CO₂, foam or sand/earth for extinction.

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Storage Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal Dispose of contents/container in accordance with
local/regional/national/international regulation for hazardous wastes.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Hydrotreated light distillate (Petroleum)	64742-47-8	15 - 40
Ethylene glycol mono-n-butyl ether	111-76-2	10 - 30

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

SECTION 4 First aid measures

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

Eyes 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. Do not induce vomiting. Get immediate medical attention. Careful evacuation of stomach by medical personnel imperative.

Note to Doctor Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media 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. Do not direct a water stream directly into the hot burning liquid.

Fire and/or Explosion Hazards Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition. 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. Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point. During a fire irritating or toxic gases may be generated by thermal decomposition or combustion.

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Fire Fighting Methods and Protection	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. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.
Hazardous Combustion Products	Oxides of carbon, Toxic fumes, Toxic gases, Ammonia, Nitrogen containing gases, Hydrocarbons, Sulfur oxides

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	Exposure to the spilled material may be severely irritating or highly toxic. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods and materials for containment and cleaning up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

SECTION 7 Handling and storage

Precautions for safe handling	Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not enter storage area unless adequately ventilated Use spark-proof tools and explosion-proof equipment. Do not use pressure to empty container. Follow all MSDS/label precautions even after container is emptied because it may retain product residues Special care must be taken to avoid inhalation exposure when using this product at high temperatures (above 300 degrees F) or if product is sanded, ground or cut.
Conditions for safe storage, including any incompatibilities	Store in a cool dry place. Isolate from incompatible materials. Keep away from heat, sparks, and flame. Store in tightly sealed original container. Store in a cool place in original container and protect from sunlight. Do not store near combustible materials Limit quantity of material stored.
Incompatible materials	Strong oxidizing agents, Hypochlorites, Chlorine, Strong alkalis

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SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Hydrotreated light distillate (Petroleum)	100 ppm (8hrs)		500 ppm (8 hr)
Ethylene glycol mono-n-butyl ether	20 ppm TWA; 96 mg/m ³ TWA		50 ppm TWA; 240 mg/m ³ TWA

Engineering Measures	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. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits Explosion proof exhaust ventilation should be used.
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.
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.
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

SECTION 9 Physical and chemical properties (Typical, not specification)

Physical State	Liquid
Color	Amber
Odor	Slight Hydrocarbon Solvent
Odor Threshold	No data available
pH	No data available
Melting Point, °C	No data available
Boiling Point, °C	No data available
Flash Point	> 150 °F(66 °C)
Evaporation Rate	<1 (n-Butyl Acetate=1)
Flammability (Solid, Gas)	No data available
Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	No data available
Vapor Density	>1 (Air=1)
Specific Gravity	0.87
Solubility in Water	Negligible; 0-1% Complete; 100%

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Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	4.9 cSt @ 40°C
Volatiles, % by weight	3.74
VOC, Method EPA 24, lb/gal	3.91
VOC, Method EPA 24, grams/liter	469

SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions. Hazardous polymerization will not occur.
Possibility of hazardous reactions	Strong oxidizing agents, Hypochlorites, Chlorine, Strong alkalis
Conditions to avoid	Contamination. Elevated temperatures.
Incompatible materials	Strong oxidizing agents, Hypochlorites, Chlorine, Strong alkalis
Hazardous decomposition products	Decomposition and hazardous decomposition products are unlikely.

SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact, Absorption
Target Organs Potentially Affected by Exposure	Kidneys, Liver, Eyes, Respiratory Tract, Lungs, Skin, Central Nervous System
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.
Medical Conditions Aggravated	Liver disease, Skin contact may aggravate existing skin disease, Kidney disease, Respiratory disease including asthma and bronchitis

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Can cause mechanical irritation if dusts are generated. Other possible symptoms include; wheezing and coughing due to pulmonary edema (fluid build-up in lungs).
Inhalation Toxicity	Non-Toxic. Not known to cause systemic damage.
Skin Contact	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption	Harmful if absorbed through the skin. May cause severe irritation and systemic damage.
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.
Ingestion Irritation	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Substance is harmful if swallowed. Large exposure may be fatal.
Ingestion Toxicity	Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Harmful if swallowed.

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Long-Term (Chronic) Health Effects

Carcinogenicity	Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Possible reproductive hazard.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Inhalation	Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.
Skin Absorption	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Hydrotreated light distillate (Petroleum)	64742-47-8	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 5000 mg/kg
Ethylene glycol mono-n-butyl ether	111-76-2	Dermal LD50 Rat > 2000 mg/kg Dermal LD50 Guinea pig > 2000 ml/kg Oral LD50 Rat = 1300 mg/kg Oral LD50 Guinea pig = 1400 mg/kg Inhalation LC50 (4h) Rat > 5 mg/L Inhalation LC50 (1h) Guinea pig > 3 mg/L

SECTION 12 Ecological information

Overview	No ecological information available
Mobility	No data
Persistence	No data
Bioaccumulation	No data
Degradability	No data

Ecotoxicity Data

Chemical Name	CAS Number	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Ethylene glycol mono-n-butyl ether	111-76-2	EC50 (48 hr) Water flea > 1550 mg/L	EC50 (72 hr) Algae = 1840 mg/L	LC50 (96 hr) Rainbow trout = 1474 mg/L

SECTION 13 Disposal considerations

Waste Description for Spent Product	Spent or discarded material may be a hazardous waste.
Disposal Methods	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal Code(s)	D001

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SECTION 14 Transport information

Full Shipping Name for Export, Air, Sea (any quantity) or vessels of 119 gal. or more: UN1268 , PETROLEUM DISTILLATES, N.O.S., (Naphtha Solvent), 3, PG III
Domestic Ground in vessels < 119 gal. Not Regulated

SECTION 15 Regulatory information

TSCA Status All components in this product are on the TSCA Inventory or exempt.

Chemical Name	CAS #	Regulation	Percent
Glycol ethers (N230)	111-76-2	SARA 313	10 - 30

SECTION 16 Other information

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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.

Version Original

Comments Approved: M. Duncan