

# Safety Data Sheet

Better Chemistry. Better Business

DERUSTER 11 J

2.26.2019

Product Name: DERUSTER 11 J

Product Code :2542001

Recommended use of the chemical and restrictions on use: Metal finishing



Signal Word:  
Hazard Category:

Hazard Statements:

Prevention:

**Storage:**

**Disposal:**


- Specific hazards arising from the chemical:** The product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes. Contact with metal may release flammable hydrogen gas.
- Special protective equipment and precautions for firefighter** Fire fighters should enter area only if they are protected from all contact with the materail. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.
- Personal Precautions, Protective Equipment, & Emergency Proc** Prevent spilled product from drains, sewers, waterways and soil.
- Wear appropriate chemical protection equipment such as gloves , face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.
- Methods and Materials for containment & cleaning up:** If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.
- Precautions for safe handling:** Use caution when combining with water. DO NOT add water to Caustic. ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes,skin or on clothing. Do not taste or swallow. Do not breath vapor or mist. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.
- Conditions for safe storage, inc any incompatibilities:** Keep container tightly closed.
- Store in cool dry place.
- Store away from incompatible materials. ( See section 10).
- Store in corrosive resistant container.

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Hydroxide	ACGIH	2 mg/m3	
Nitrotriactic acid trisodium salt	Triglycollamic acid	Not established	-

ACGIH - American Control of Governmental Hygenists  
OSHA - Occupational Safety and Health Administration

- Ventilation:** Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).
- Other:** It is recommended that a hazard assesment in accordance with the OSHA PPE standard (29 CFR 1910.132) be conducted before using this product.
- Protective Gloves:** Rubber gloves
- Eye Protection:** Wear chemical safety goggles with face shield.
- Other Protective Equipment:** Wear chemical resistant apron.

<b>Appearance:</b>	White to off-white granular mixture
<b>Odor:</b>	No odor
<b>Odor Threshold:</b>	N/A
<b>PH:</b>	14
<b>Melting Point/Freezing Point:</b>	N/A
<b>Initial Boiling Point and Boiling Range:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Flammability (solid, gas):</b>	N/A
<b>Upper/Lower flammability or explosive limits:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Relative Density:</b>	N/A
<b>Solubility (ies):</b>	Complete in water
<b>Partition Coefficient; n-octanol/water:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A
<b>Reactivity:</b>	Contact with metal may release flammable hydrogen gas.
<b>Chemical Stability:</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40 °C.
<b>Incompatible Materials:</b>	Avoid contact with aluminum, tin, zinc, halogenated solvents, and strong oxidizers and acids.
<b>Hazardous Decomposition Products:</b>	Contact with metal (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.
<b>Oral Administration:</b>	Caustic 50% solution: LD50, Rat-300-500 mg/kg
<b>Oral Administration:</b>	Nitrotriacetic Acid trisodium salt-oral -LD50-(rat-male and female)-17040 mg/kg
<b>Dermal administration:</b>	Caustic 50% solution-LD50 Rabbit->2 g/kg
<b>Immediate effects:</b>	Severe irritation or burns to skin, eyes and respiratory system
<b>Cancer Hazard:</b>	Nitrotriacetic Acid Trisodium salt is listed by IARC as Group 2B Carcinogen-possible Human Carcinogen
<b>Fish, <i>Lepomis macrochirus</i>,</b>	Caustic-99 mg/L, 48 hrs
<b>Bioaccumulation potential:</b>	Unlikely Disperses in water.

*Dispose of in accordance with local, state and federal regulations.*

**UN Number:** 1823  
**UN Proper Shipping Name:** SODIUM HYDROXIDE, SOLID, MIXTURE,  
**Transport Hazard Class (es):** 8  
**Packing Group:** II  
**ERG:** 154

**HMIS: Health: 3 Flammability: 0 Reactivity: 2**

**Cercla** 2000 lb RQ (Caustic 50%)

**Sara Hazard Classification** SARA 302 - Extremely Hazardous Substances; None present

**Sara Hazard Classification** SARA Hazard Categories: Immediate Hazard:Yes Delayed Hazard:yes Fire Hazard-No Pressure Hazard-No Reactivity Hazard-Yes