

**1. Identification of the Substance/Mixture and of the Company/Undertaking**

**Product Name:** Nastee

**Preparation Date:** 3/16/2015

**Revision Date:**

**Recommended Use:** Degreaser

**Supplier:** Dirt Killer Pressure Washers, Inc.  
1708 Whitehead Road  
Suite 103  
Baltimore, MD 21207

**Telephone:** (410) 944-9966

**Emergency Telephone Number:** 1-800-424-9300 (CHEMTREC)

**2. Hazard Identification**

**GHS Classification:**

Eye Corrosive – Category 1  
H318 – Causes serious eye damage

Skin Corrosive – Category 1A  
H314 – Causes severe skin burns and eye damage

Acute Toxicity – Category 4  
H302 – Harmful if swallowed

Corrosive to Metals – Category 1  
H290 – May be corrosive to metals

**GHS Labeling:**





Signal Word: Danger

Precautionary Statements:

P260: Do not breathe mist/vapors/spray

P264: Wash skin thoroughly after handling

P270: Do not eat, drink, or smoke when using this product.

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352: IF ON SKIN: Wash with plenty of soap and water

P305+ P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P391: Collect spillage

P501: Dispose of contents and container in accordance with local regulations

**Other Hazards Not Classified:** No significant hazards

**US OSHA/HCS Status:** Hazardous under OSHA Hazard Communication Standard  
Revised in 2012

### ***3. Composition/Information on Ingredients***

Chemical Name	CAS Number	Concentration, Wt. %
Sodium Hydroxide	1310-73-2	26%
Water	7732-18-5	23%
Potassium Hydroxide	1310-58-3	17%
Ethylene Glycol N-Butyl Ether	111-76-2	17%

### ***4. First Aid***

**Eyes:** Flush with large amounts of cold water for at least 15 minutes. Remove contact lenses. Do not let victim rub eyes. If irritation develops, contact a physician immediately.

**Skin:** Wash affected area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Contact a physician immediately.

**Inhalation:** If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Contact a physician immediately.

**Ingestion:** Do not induce vomiting. Never give anything by mouth if victim is unconscious or having convulsions. Contact a physician immediately.

**Notes to physician:** No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities are ingested or inhaled.

#### *5. Fire-fighting Measures*

**Suitable extinguishing media:** Carbon dioxide, Dry chemical, Foam, Water spray

**Specific hazards:** Smoke, fumes and incomplete combustion products.

**Specific protective equipment and precautions for fire fighters:** Use water spray, dry chemical, foam or carbon dioxide. Water may be ineffective but should be used to keep fire exposed containers cool. If a spill or a leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire. Perform only those firefighting procedures for which you have been trained. Firefighters should wear self contained breathing apparatus in the positive pressure mode with a full face piece where there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

#### **Flammability Properties:**

Flash Point (PMCC): None

#### *6. Accidental Release Measures*

#### **Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Ensure adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate protective equipment (see Section 8).

**Environmental Precautions:** Do not allow spilled material to enter sewers or streams. If spills are likely to enter any drain, waterway or groundwater, contact the appropriate governmental agency.

**Methods and materials for containment:** Add dry material to absorb (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

### *7. Handling and Storage*

**Precautions for safe handling:** Read label for instructions in use of product. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Prevent small spills and leakage to avoid slip hazard.

**Conditions for safe storage:** Store in closed containers in a cool, dry well ventilated area protected from direct sunlight. Keep away from ignition sources and protect against static charges. Maintain closure of bungs. Do not reuse container. Avoid container damage while storing.

Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, bronze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Do not attempt to refill containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

### *8. Exposure Controls/Personal Protection*

**Exposure limits:**

Product contains ethylene glycol n-butyl ether which has the following exposure limits:

PEL – OSHA – 50 ppm

TWA (ACGIH) – 20 ppm

Product contains sodium hydroxide which has the following exposure limits:

PEL – OSHA – 2 ppm

TLV (ACGIH) – 2 ppm

Product contains potassium hydroxide which has the following exposure limits:

PEL – OSHA – 2 ppm

TLV (ACGIH) – 2 ppm

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

**Individual protective measures:**

*Respiratory protection:* None needed.

*Eye protection:* Use tightly fitting eye goggles. Use equipment for eye protection tested and approved under appropriate governmental standards such as NIOSH. Contact lenses should also not be worn if the product could be splashed into the eyes.

*Hand protection:* Use chemical-protective gloves when in contact. Chloroprene gloves with a minimum thickness of 0.6 mm are recommended for full contact.

*Body protection:* If product use involves single, short duration exposures, then no additional protective wear for covering the skin is required. For prolonged or repeated exposures to the skin, wear impervious, protective clothing including rubber safety shoes to avoid skin contact.

National Fire Protection Association (NFPA): Health 2 Flammability 0 Reactivity 1  
Other n/a

**9. Physical and Chemical Properties**

**Appearance:** Red liquid

**Odor:** Typical

**Odor Threshold:** N/A

**pH @ 5% :** 12.5

**Melting point/freezing point:** -1°C (31°F)

**Initial boiling point and boiling range:** 100°C (212°F)

**Flash Point (PMCC):** None

**Upper/lower flammability or explosive limits:** UEL: N/A; LEL: N/A

**Vapor pressure at 20 C (mm Hg):** N/D

**Vapor density (air-1):** N/D

**Specific Gravity 20 C:** 1.10

**Partition coefficient n-octanol/water:** N/D

**Autoignition Temperature:** N/D

**Decomposition Temperature:** N/D

**10. Stability and Reactivity**

**Chemical stability:** Stable at normal conditions

**Possibility of hazardous reactions:** Exothermic polymerization will occur.

**Conditions to avoid:** Excessive Heat. High energy sources of ignition. Direct sunlight.

**Incompatible Materials:** Strong acids ammonium salts and strong oxidizing agents.

**Hazardous decomposition products:** Oxides of carbon, phosphorus, sodium and sulfur.

### *11. Toxicological Information*

**Acute Toxicity:**

No data available.

**Eye Irritation:**

No data available.

**Skin Irritation:**

No data available.

**Acute Inhalation Effects:** None known.

**Skin Sensitization:** None

**Chronic Exposure Target Organ Effects:** No data is available to indicate product present at greater than 1% is a chronic health hazard.

**Carcinogenicity:** This product present at a level of 0.1% or higher is not considered to be a carcinogenic under IARC.

### *12. Ecological Information*

**Aquatic Release:** No data available.

**Aquatic Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility:** Not established

**Persistence and degradability:** Not established

***13. Disposal Considerations***

**Disposal methods:** Product can be disposed of by burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited by the controlling authority.

**Precaution for disposal:** All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.

***14. Transport Information***

**USA DOT:**

UN Number : 3266

Hazard Class: 8

Description: Corrosive liquids basic inorganic, n.o.s. (sodium hydroxide, potassium hydroxide)

Packing Group: III

***15. Regulatory Information***

**US TSCA:** In compliance with the inventory

Hazardous under OSHA Hazard Communications Standard: yes

SARA (Superfund Amendment and Reauthorization Act)

Section 311: Hazardous Chemical - yes

Immediate - yes

Delayed - no

Fire - no

Sudden Release - no

Reactive – no

**SAFETY DATA SHEET**

**NASTEE**

Section 313: Toxic Chemical – yes  
Ethylene Glycol N-Butyl Ether, CAS No. 11-76-2: 17%

California Proposition 65

This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.

<p><b><i>16. Other Information</i></b></p>
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None

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