# Material Safety Data Sheet (MSDS)

## Nitro

### Liquid Drain Opener

### Acid Cleaners

## Section I ► Product Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Type</th>
<th>WHMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitro</td>
<td>Liquid Drain Opener</td>
<td>D1, A, E</td>
</tr>
</tbody>
</table>

## Section II ► Hazardous Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cas Registry No.</th>
<th>% Toxicity</th>
<th>Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphuric Acid</td>
<td>7664-93-9</td>
<td>60-100</td>
<td>LD50 ORAL (RAT) 2.1g/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50 (RAT) 510 mg/m3 (2 hours)</td>
</tr>
</tbody>
</table>

## Section III ► Physical Data

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Odour</th>
<th>pH</th>
<th>Boiling Point</th>
<th>Specific Gravity</th>
<th>Solubility in Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colourless or tan colored liquid</td>
<td>Unscented</td>
<td>&lt;1.0</td>
<td>290 °C</td>
<td>1.8</td>
<td>100 %</td>
</tr>
</tbody>
</table>

## Section IV ► Fire and Explosion Hazard Data

**Flash Point (°C):** None  
**Extinguising media:** Not Applicable  
**Special fire fighting procedures:** Avoid direct use of water which can generate heat and cause splattering.  
**Unusual fire and explosion hazards:** Can react with oxidizing and reducing agents to cause fires and explosions. Can react with metals to produce flammable hydrogen gas.

## Section V ► Toxicological Properties

**HAZARD RATING:**  
- Health = 3  
- Flammability = 0  
- Reactivity = 3  

**Rating System**  
- 0 = Insignificant  
- 1 = Slight  
- 2 = Moderate  
- 3 = High  
- 4 = Extreme

**Swallowing:** Very corrosive to digestive tract, teeth, etc.  
**Inhalation:** Very corrosive to mucous membrane and lungs.  
**Skin Absorption:** Effect unknown by toxicity is expected.  
**Skin Contact:** Very corrosive; causes severe burns.  
**Eye Contact:** Very corrosive; causes severe injury.  
**Special Warning:** None

## Section VI ► First Aid Measures

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Drink large quantities of milk or water. Call a physician immediately.  
**Inhalation:** Remove to fresh air. Apply artificial respiration if necessary. Call a physician.  
**Skin:** Wash thoroughly with water for at least 15 minutes Call a physician.  
**Eyes:** Flush thoroughly with water for at least 15 minutes. Call a physician immediately.

## Section VII ► Reactivity Data

**Stable:** Yes  
**Conditions to avoid:** Do not add water directly to acid.  
**Incompatibility with other materials:** Directly added water, organic compounds, alkali, oxidants, metals.  
**Hazardous decomposition products:** Sulphur oxides, acid fumes, H2, Gas  
**Hazardous polymerization:** Will not occur.

## Section VIII ► Preventive Measures

**Hand protection:** Neoprene, PVC or rubber gloves  
**Eye protection:** Goggles or face shield  
**Ventilation:** General  
**Respiratory protection:** Use respirator if misty conditions prevail.  
**Other protective equipment:** Neoprene, PVC or rubber apron when handling large quantities.  
**Steps to be taken in case material is released or spilled:** Ventilate area. Wear protective gear. Neutralize small spills with soda ash or lime and wash down with large quantities of water. Never add water directly to spill or an explosive reaction and splattering may result.  
**Waste disposal method:** Flush neutralized material into waste systems in accordance with municipal, provincial and federal regulations.  
**Precautions to be taken in handling and storage:** Normal handling processes. Inside storage at 4-40 °C recommended.  
**Other precautions:** Follow label use instructions.

**UN:** 1830  
**TDG Class:** 8 (9.2)  
**Packing Group:** II  
**TDG Emergency Telephone Number:** 613-996-6666 (COLLECT)

## Section IX ► Preparation Data

**Prepared by:** M. Mikoluk  
**Last updated:** June 1, 2015  
**Location:** Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861
“Provides a powerful and fast acting solution for drainage issues as it clears the toughest clogs from any drain quickly. Safe for all septic systems and pipes, including PVC, plastic, and old pipes.”

### FEATURES AND BENEFITS

- **Contains sulphuric acid:** Effectively and quickly dissolves organic blockages.
- **Contains an inhibitor:** Will not corrode metal pipes.
- **Odourless:** No offensive vapours or fumes.

### WHERE TO USE

May be used in drain, toilets, urinals, grease traps, cesspools, septic tanks, etc.

### HOW TO USE

Wear gloves and safety glasses. Do not mix this product with any other chemicals or cleaning compound such as bowl and drain cleaner as a violent reaction or toxic fumes may result. Purge drain before using this product in order to remove any possible residual chemical. Add the recommended quantity to the drain. Always add the product carefully and slowly down the side of the toilet, sink or drain. Allow to stand for 15 minutes then flush with large amounts of cold water to clear drain. Do not pour in standing water or completely plugged drain. Always use cold water to flush drain as this reduces the amount of heat generated. If drain line is not completely opened, repeat application.

**Recommended quantity:**

- Small drain (up tp 5 cm/2”) .......................................................... 227 mL (8 oz)
- Floor drain (up to 10 cm/8”) ...................................................... 909 mL (32 oz)
- Large drain (up to 20 cm/8”) .......................................................... 1.8 L (64 oz)
- Toilets (lower water level by adding a bucket of water) .................. 454 mL (16 oz)
- Grease trap ............................................................................... 909 mL (32 oz)
- Septic tank .............................................................................. 200 mL/100l (32 oz/100 Gal)
- Cesspool ................................................................................... 400 mL/100l (64 oz/100 Gal)

*Note: The recommended quantity or generalised for the application and can vary according to the type of obstruction, conditions and dimension of pipes.*

### SPECIFICATIONS

- **Appearance:** Colourless or tan liquid
- **Fragrance:** Unscented
- **pH (conc.):** <1.0
- **pH (1%):** <1.0
- **Solvent:** None
- **Phosphate:** None
- **WHMIS:** Yes
- **TDG:** Yes