



MATERIAL SAFETY DATA SHEET (MSDS)

Nitro
Liquid drain opener

Acid Cleaners



SECTION I ▶ PRODUCT IDENTIFICATION					
Product Name		Product Type		WHMIS Classification	
Nitro		Liquid drain opener		D1A, E	
SECTION II ▶ HAZARDOUS INGREDIENTS					
Chemical Name		Cas Registry No.	%	Toxicity	
Sulphuric Acid		7664-93-9	60-100	LD50 ORAL(RAT) 2.1g/kg LC50 (RAT) 510 mg/m3 (2 hours)	
SECTION III ▶ PHYSICAL DATA					
Appearance	Odour	pH	Boiling Point	Specific Gravity	Solubility in Water
Clourless or tan colored liquid	Unscented	<1.0	290 °C	1.8	100 %
SECTION IV ▶ FIRE AND EXPLOSION HAZARD DATA					
Flash Point (°C): None			Extinguishing 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 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 Absortion: 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 atleast 15 minutes Call a physician.					
Eyes: Flush thoroughly with water for atleast 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, alkalies, oxidants, metals.					
Hazardous decomposition products: Sulphur oxides, acid fumes, H ² , 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 ▶ PREPERATION DATA					
Prepared by: D.R. Dunlop			Last updated: October 20, 2009		
Location: Dustbane Products Limited, 25 Pickering Place, Ottawa, Ontario, K1G 5P4 – 613-745-6861					

Nitro

Liquid drain opener

“Attacks grease, hair, food, paper, cloth, soap and lint but will not harm pipes or septic tanks.”

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

Add suggested dosage to the drain. Always add product slowly down sides of toilets, drains, etc. Allow to stand 15 minutes, then flush with large amounts of cold water to clear drain of acid. Do not pour into standing water or completely plugged drain. Always use cold water to flush drains. This reduces the amount of heat generated. If drain lines are not completely opened, repeat application.

Suggested dosage recommendations are general and may be varied depending on conditions, type of obstruction and size of traps and lines.

Application.....	Dosage
Small drains (5cm or 2").....	227 mL (8oz)
Floor drains (10cm or 4").....	909 mL (32oz)
Large drains (20cm or 8").....	1.8L (64oz)
Toilets (lower water level with bucket of water) ..	454 mL (16oz)
Grease traps	909 mL (32oz)
Septic tanks.....	200 mL/100 L (32oz/100 gal)
Cesspools	400 mL/100 L (64oz/100 gal)

SPECIFICATIONS

Appearance	colourless or tan liquid
Fragrance	unscented
pH (conc.)	<1.0
pH (1%)	<1.0
Solvent	none
Phosphate	none
WHMIS	yes
TDG	Yes