

MATERIAL SAFETY DATA SHEET

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I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 1-2-3

DATE: October 14, 2005

SUPPLIER:

Melrose Chemicals Ltd.
2323-46th ave.
Lachine, QC
CANADA H8T 3C9
Tel: +1 (514) 631-2998
Fax: +1 (514) 631-2997

PRODUCT USE: Sewer opener

II. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identity:	EINECS #	CAS #	% Conc.	Toxicity
Sodium hydroxide	215-185-5	1310-73-2	45 - 70	C; R35
Sodium Nitrate	234-554-3	7631-99-4	10 - 30	

Ingredients according to Directive 89/542/EEC

None

III. HAZARDS IDENTIFICATION

Hazard classification of product according to Directive 1999/45/EC: C. corrosive

Hazards for humans: Causes burns.

Hazards for environment: Not applicable.

IV. FIRST AID MEASURES

Contact with skin: Immediately flush with large quantities of water. Do not attempt to neutralise with mild acid solution until all areas are flushed thoroughly. Remove contaminated clothing and wash thoroughly before reuse.

Contact with eyes: Hold eyelids open and wash thoroughly with water for at least 15 minutes. Get medical help promptly.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.

V. FIRE FIGHTING MEASURES

Conditions of flammability: Not flammable.

Means of extinction: Not applicable.

Hazardous combustion products: Not applicable.

Unusual fire and explosion hazards: Reacts with water, producing toxic and flammable gases

VI. ACCIDENTAL RELEASE MEASURES

Procedures to be followed in case of spills or leaks: Small amounts - Flush with water.

Large amounts - Contain spill and collect into waste container. Flush spill area with water.

Personal protective equipment to be used: Protective gloves and safety glasses.

VII. HANDLING AND STORAGE

Special handling procedures and equipment: Avoid prolonged or frequent contact when handling material. Avoid breathing mists or vapour. Handle only in adequately ventilated areas.

Specific storage requirements: Keep container closed when not in use. Store in a cool and dry location away from oxidizing and reducing agents.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: Dust mask if necessary.

Protective Gloves: Rubber or neoprene.

Eye Protection: Safety glasses.

Additional Protective Equipment: Eye-wash station, safety boots, apron or overalls.

Ventilation: Use with adequate ventilation.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint and method of determination: Not applicable.

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Flammable limits (% in air): LOWER: Not applicable. UPPER: Not applicable.
Auto-Ignition temp.: Not applicable.
Physical State: Solid (granules) **Vapour density:** Not applicable.
Coefficient of n-octanol/water distribution: Not determined.
Odour: None. **Boiling Point:** Not applicable.
Specific Gravity: Not applicable. **Freezing Point:** Not applicable.
Vapour Pressure: Not applicable. **pH:** 12.5 - 13.0 (1% solution)
Evaporation Rate: Not applicable. **Colour:** Red.
Solubility in water: Complete **Odour threshold:** Not applicable.

X. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions. Hazardous polymerization will not occur.
Incompatible substances: Highly reactive with metals, acids, moisture.
Conditions of reactivity: Avoid contamination with reactive substances.
Hazardous decomposition products: Reacts with water, producing flammable and corrosive fumes.

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Dust on skin and in eyes.
Exposure Limits: LD₅₀ (Calculated) 2000 mg/kg
Effect of acute and chronic exposure to product: Causes burns.
Irritating: Yes
Sensitisation to product: No
Carcinogenicity: Data not available.
Reproductive toxicity: Data not available.
Teratotoxicity: Data not available.
Mutagenicity: Data not available.
Name of toxicologically synergistic product(s): Data not available.

XII. ECOLOGICAL CONSIDERATIONS

Environmental toxicity information: Not applicable.

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:
06 02 04 (waste from the manufacture, formulation, supply and use of sodium hydroxide).
For the packaging: EC disposal code №:
15 01 02 (plastic packaging). Can be recycled.

XIV. TRANSPORT INFORMATION

CARRIAGE BY ROAD (CROSSING BORDERS) ADR/RID:

ADR/RID Class:	8	CW2
Hazard Identification Number:	842	
UN Number:	3096	
Packing group:	II	
Label:	8 + 4.3	
UN proper shipping name:	CORROSIVE SOLID, WATER REACTIVE, N.O.S. (Sodium Hydroxide)	

TRANSPORT BY SEA IMDG:

IMDG Class:	8
UN Number:	3096
Packing group:	II
EMS Number:	F-G, S-L
Stowage:	Category D
Label:	8 + 4.3
Marine pollutant:	No
UN proper shipping name:	CORROSIVE SOLID, WATER REACTIVE, N.O.S. (Sodium Hydroxide)

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TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN Number: 3096
Packing group: II
Label: 8 + 4.3
UN proper shipping name: CORROSIVE SOLID, WATER REACTIVE, N.O.S. (Sodium Hydroxide)

XV. REGULATORY INFORMATION

Inventory Status: TSCA (USA), CEPA (Canada), EINECS (EU), China, Korea, PICCS (Philippines)

WHMIS CLASSIFICATION: Class D-1b; Class E

Danger symbol: C, corrosive



Risk phrases: 34 Causes burns.

Safety phrases: 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advise.

36/37/39 Wear suitable protective clothing and eye/face protection.

46 If swallowed seek medical advise immediately and show this container or label.

XVI. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all the information required by the Canadian *Controlled Products Regulations*.

This Material Safety Data Sheet is in conformation with Directive 2001/58/EG

R-Sentences of ingredients in paragraph II:

35 Causes severe burns.

Replaces: M.S.D. dated: October 14, 2002

Version: 7

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