

Enprox® 714

Version 1.
Revision Date 02/27/2007

Print Date 07/11/2008

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Enprox® 714
 MSDS Number : REL_4069

 Company : OAKITE CANADA LIMITED
 115 EAST DRIVE
 BRAMALEA, ON L6T 1B7

 Telephone : 9057911628
 Telefax : 9057911527
 MSDS prepared by : Health and Environmental Department
 Telephone : 908-464-6900
 Emergency telephone no : CHEMTREC - 800-424-9300
 Product Use : Water treatment compound.

SECTION 2. HAZARDOUS COMPONENTS INFORMATION

Component	CAS-No.	Weight %
Sodium hydroxide	1310-73-2	40.00 - 50.00

Unidentified ingredients are considered not hazardous under Workplace Hazardous Material Information System (WHMIS).

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview

Form : liquid
 Colour : clear
 Odour : mild
 Hazard Summary : Harmful by inhalation and if swallowed. Causes severe burns.

Route(s) of Entry :	Inhalation	Skin	Ingestion
	yes	yes	yes

Carcinogenicity:

NTP No substance in this product is listed by NTP as a carcinogen
 IARC No substance in this product is listed by IARC as a carcinogen.

SECTION 4. FIRST AID MEASURES

Inhalation : Move to fresh air. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.

N.D. - Not Determined

1/5

N.A. - Not Applicable

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- Skin contact : Wash off immediately with plenty of water for at least 15 minutes
Take off contaminated clothing and shoes immediately
Get medical attention if irritation develops and persists
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes
Keep eye wide open while rinsing
Get medical attention immediately
- Ingestion : Rinse mouth
Drink 1 or 2 glasses of water
Never give anything by mouth to an unconscious person
Get medical attention immediately

SECTION 5. FIRE-FIGHTING MEASURES

- Flash point : Note: does not flash
- Lower explosion limit : Note: Not applicable.
- Upper explosion limit : Note: Not applicable.
- TDG Flammability Class : NONE
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Material can create slippery conditions.
- Methods for cleaning up : Soak up with inert absorbent material.
Neutralise with acid.
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Handling

N.D. - Not Determined

2/5

N.A. - Not Applicable

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Handling : Add this product to surface of solution slowly to avoid spattering
Do not add large amounts of product to solution at any one time.
Do not add to hot water warmer than 43 degrees to 49 degrees C (110 degrees to 120 degrees F).
Never add liquids to product

Storage

Requirements for storage areas and containers : Keep containers tightly closed to avoid contamination
Store indoors in a cool, well-ventilated place

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV (TWA)
Sodium hydroxide	2 mg/m3 ceilingN.D.

Eye protection : Chemical resistant goggles must be worn.
face-shield

Hand protection : impervious gloves

Skin and body protection : rubber or plastic apron

Respiratory protection : If the occupational exposure limits cannot be met, suitable respiratory equipment should be worn .

Hygiene measures : Avoid contact with skin, eyes and clothing
Wear suitable gloves and eye/face protection
Wear suitable protective clothing
Wash hands before breaks and immediately after handling the product
Provide adequate ventilation
Do not inhale fumes
Keep away from food and drink

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH : > 12.5

Melting point/range : 4 °C (4 °C)

N.D. - Not Determined

3/5

N.A. - Not Applicable

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Boiling point/range	:	Note: no data available
Vapour pressure	:	Note: no data available
Bulk density	:	12.45 lb/gal
Water solubility	:	Note: completely soluble
Coefficient water/oil distribution	:	Note: no data available
Percent of Volatile by Weight excluding water	:	Note: no data available
Relative density	:	1.49
Evaporation rate	:	1 Note: Water = 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	freezing
Materials to avoid	:	acids,
Hazardous decomposition products	:	hydrogen, by reaction with metals

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.

Acute oral toxicitySodium hydroxide : LD50, mouse
Dose: 2 mg/kg**Acute toxicity (other route)**Sodium hydroxide : LD50, dog, Intravenous
Dose: 45 mg/kg**SECTION 12. ECOLOGICAL INFORMATION**

Not Available

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SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

SECTION 14. TRANSPORT INFORMATION

Refer to Bill of Lading.

SECTION 15. REGULATORY INFORMATION

DSL Status : All components of this material are on the CANADA Domestic Substances List (DSL) Inventory.

NFPA : 3 0 2 Corrosive Alkaline

HMIS : 3 0 2 J

WHMIS : E: Corrosive Material
D2B: Toxic Material Causing Other Toxic Effects

SECTION 16. OTHER INFORMATION

Further information

N.D.

