

*Material Safety Data Sheet*

**Chemetall**

**Enprox® 714**

Version 1.6  
 Revision Date 05/08/2009

Print Date 05/08/2009

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Enprox® 714  
 MSDS Number : REL\_4069  
  
 Company : Chemetall US, Inc.  
 675 Central Avenue  
 New Providence, NJ 07974  
  
 Telephone : +18005264473  
 Telefax : +19084644658  
 Emergency telephone no : CHEMTREC - 800-424-9300

**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 Federal Hazard Communication Standard (29CFR 1910.1200).

**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  
 OSHA No substance in this product is regulated by OSHA 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.  
  
 Skin contact : Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes

N.D. - Not Determined

1/5

N.A. - Not Applicable

*Material Safety Data Sheet*

**Chemetall**

**Enprox® 714**

Version 1.6  
Revision Date 05/08/2009

Print Date 05/08/2009

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**

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).

*Material Safety Data Sheet*

**Chemetall**

**Enprox® 714**

Version 1.6  
 Revision Date 05/08/2009

Print Date 05/08/2009

Never add liquids to product

**Storage**

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

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Sodium hydroxide	2 mg/m3 ceiling N.D.	2 mg/m3 total particulate N.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, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.
- 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
- Freezing point : 4 °C (39 °F)
- Boiling point/boiling range : Note: no data available
- Vapour pressure : Note: no data available
- Bulk density : 12.45 lb/gal
- Water solubility : Note: completely soluble

N.D. - Not Determined

3/5

N.A. - Not Applicable

Material Safety Data Sheet

**Chemetall**

**Enprox® 714**

Version 1.6  
Revision Date 05/08/2009

Print Date 05/08/2009

Partition coefficient: n-  
octanol/water : Note: no data available

Percent of Volatile by Weight  
excluding water : 0

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 : Hydrogen, by reaction with metals  
products

**SECTION 11. TOXICOLOGICAL INFORMATION**

Toxicity: : Mixture; Not Determined.

**Acute oral toxicity**

Sodium hydroxide : LD<sub>50</sub>, rabbit  
Dose: 500 mg/kg

**Acute toxicity (other routes of administration)**

Sodium hydroxide : LD<sub>50</sub>, dog, Intravenous  
Dose: 45 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

Not Available

**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.

*Material Safety Data Sheet*

**Chemetall**

**Enprox® 714**

Version 1.6  
Revision Date 05/08/2009

Print Date 05/08/2009

**SECTION 14. TRANSPORT INFORMATION**

Refer to Bill of Lading.

**SECTION 15. REGULATORY INFORMATION**

<b>TSCA Status</b>	:	All components of this material comply with US TSCA requirements.
<b>SARA 313 Components</b>	:	N.D.
<b>CERCLA Reportable Quantity</b>	:	Sodium hydroxide            1,000 Pounds
<b>California Prop. 65</b>	:	N.D
<b>NFPA</b>	:	3 0 2 Corrosive Alkaline
<b>HMIS</b>	:	3 0 2 J
<b>WHMIS</b>	:	E: Corrosive Material D2B: Toxic Material Causing Other Toxic Effects

**SECTION 16. OTHER INFORMATION**

**Further information**

Chemetall US, Inc. warrants that the products described herein will conform with its published specifications. The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.