

Enprox[®] 702

Version 0.1

Revision Date 05/18/2015

Print Date 05/27/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Enprox[®] 702

Substance number : REL_4068

Chemical usage : Water treatment compound.

Manufacturer or supplier's details

Company : Chemetall US, Inc.

Address : 675 Central Avenue
New Providence NJ 07974

Telephone : (800) 526-4473

Telefax : (908) 464-4658

Emergency telephone no : CHEMTREC - 800-424-9300, 1-703-527-3887 (International)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	liquid
Colour	clear
Odour	none
Hazard Summary	Harmful by inhalation and if swallowed. Causes severe burns. Inhalation of sulfuric acid mist may cause cancer

GHS Classification



Skin corrosion : Category 1A

Serious eye damage : Category 1

Carcinogenicity : Category 1A

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.
May cause cancer.

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Precautionary statements : **Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Use personal protective equipment as required.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
IF exposed or concerned: Get medical advice/ attention.
Wash contaminated clothing before reuse.

Storage:
Store locked up.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation : yes

Skin : yes

Ingestion : yes

Aggravated Medical Condition : None known.

Carcinogenicity:

IARC	Group 1: Carcinogenic to humans	
	Sulfuric acid	7664-93-9
ACGIH	Suspected human carcinogen	
	Sulfuric acid	7664-93-9
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
NTP	Known to be human carcinogen	
	Sulfuric acid	7664-93-9

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture :

Hazardous components

Component	CAS-No.	Weight percent
Sulfuric acid	7664-93-9	30 - 50

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
If symptoms persist, call a physician.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
Take off contaminated clothing and shoes immediately.
Get medical attention immediately if irritation develops and persists
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.
Get medical attention immediately
- If swallowed : Rinse mouth.
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Get medical attention immediately

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Foam
Water spray
- Further information : Use water spray to cool unopened containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, : Remove all sources of ignition.

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protective equipment and
emergency procedures
Methods and materials for
containment and cleaning up

Ensure adequate ventilation.

: Ventilate area.
Remove all heat and ignition sources.
Neutralize with lime milk or soda and flush with plenty of
water.
Clean up with inert absorbant material.
Keep in suitable, closed containers for disposal.
Flush with plenty of water.

Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Slowly add product to cool solution being treated while stirring.
Never add liquids to product
Unscrew closure slowly. Allow all pressure to escape through
threads before removing closure

Conditions for safe storage : 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**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sulfuric acid	7664-93-9	TWA (Thoracic fraction)	0.200000 mg/m3	ACGIH
		TWA	1.000000 mg/m3	NIOSH REL
		TWA	1.000000 mg/m3	OSHA Z-1
		TWA	1.000000 mg/m3	OSHA P0

Personal protective equipment

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

Hand protection
Remarks : Impervious gloves

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

Skin and body protection : Complete suit protecting against chemicals

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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

Appearance : liquid

Colour : clear

Odour : none

pH : < 2.0, Concentration: 40.00000 g/l

Freezing point : no data available

Boiling point/boiling range : no data available

Flash point :
does not flash

Evaporation rate : 1
Water = 1

Upper explosion limit : Not applicable.

Lower explosion limit : Not applicable.

Vapour pressure : no data available

Relative density : 1.282

Bulk density : 10.7 lb/gal

Solubility(ies)

Water solubility : completely soluble

Auto-ignition temperature : No data available

Thermal decomposition : No data available

Viscosity, dynamic : No data available

SECTION 10. STABILITY AND REACTIVITY

Incompatible materials : Bases
Combustible material
Organic materials
Warning! Do not use together with other products. May release dangerous gases (chlorine).

Hazardous decomposition : Hydrogen, by reaction with metals

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products

Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000.000000 mg/kg
Method: Calculation method

Components:**Sulfuric acid:**

Acute oral toxicity : LD50 rat: 2,140.000000 mg/kg

Acute inhalation toxicity : LC50 rat: 0.510000 mg/l
Exposure time: 2 h

LC50 mouse: 0.320000 mg/l
Exposure time: 2 h

Skin corrosion/irritation**Components:****Sulfuric acid:**

Result: Severe skin irritation

Serious eye damage/eye irritation**Components:****Sulfuric acid:**

Result: Moderate eye irritation

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

STOT - single exposure

no data available

STOT - repeated exposure

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no data available

Aspiration toxicity

no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : 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**International regulation****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

TSCA Status : All components of this material comply with US TSCA requirements.

OSHA Hazards : Carcinogen, Highly toxic by inhalation
WHMIS Classification : E: Corrosive Material
D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sulfuric acid	7664-93-9	1,000	2,500

SARA 304 Extremely Hazardous Substances Reportable Quantity

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Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sulfuric acid	7664-93-9	1,000	2,500

SARA 311/312 Hazards : Chronic Health Hazard
Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:
Sulfuric acid 7664-93-9

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Massachusetts Right To Know**

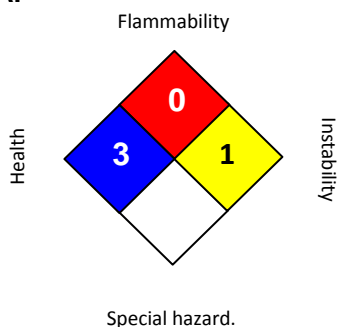
Sulfuric acid 7664-93-9

Pennsylvania Right To Know

water 7732-18-5
Sulfuric acid 7664-93-9

New Jersey Right To Know

water 7732-18-5
Sulfuric acid 7664-93-9

NFPA:**HMIS III:**

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	1

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Corrosive Acid

Splash Goggles, Gloves, Apron, Dust
and Vapour Respirator

SECTION 16. OTHER INFORMATION

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Further information

Version 1.0

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Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

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