

CHEMICAL EQUIPMENT LABS, INC
COMPOUND 520 EP
Safety Data Sheet (SDS)

Section 1: Identification of the substance/mixture and of the company/undertaking

PRODUCT IDENTIFIER

Product name: Compound 520 EP
Product form: Mixture

Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/sludge control & corrosion control

Details of the supplier of the safety data sheet

Name/Address: Chemical Equipment Labs, INC
PO Box 1136
Linwood, PA 19061
Contact Information: Telephone: 610-497-9390
Fax: 610-497-9524
Email: ERM@CHEMICAL-EQUIPMENT-LABS.COM
Website: WWW.CHEMICAL-EQUIPMENT-LABS.COM

EMERGENCY TELEPHONE NUMBER

CHEMTREC (800) 424-9300

Section 2: HAZARD(S) IDENTIFICATION

Emergency overview

Target organs	: Respiratory systems, eyes, skin
GHS Classification	: Acute Toxicity, Oral (Category 4) Acute Toxicity, Inhalation (Category 4) Acute Toxicity, Dermal (Category 4) Eye damage/irritation (2A)

Hazard statements

H302-Harmful if swallowed
H312-Harmful in contact with skin
H319-Causes serious eye irritation
H332-Harmful if inhaled

Precautionary statements

P261-Avoid breathing dust/fume/gas/mist/vapor/spray
P280-Wear protective equipment for hands, eyes, face and respiratory tract

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September 15, 2016

P305, P351, and P338- IF IN EYES: Rinse with water for several minutes.
Remove contact lenses if present and continue rinsing.

HMIS Hazards

Health : 1
Flammability : 0
Reactivity : 1

Potential health effects

Inhalation : Irritant
Eye : Corrosive
Skin : Irritant
Ingestion : Harmful if swallowed

Bases on pH, should be considered as corrosive to the eye. Nitritotriacetic acid (NTA) and/or its salts are classified by NTP and IARC as suspected carcinogens (Class 2B) based on findings of urinary tract tumors in rats and mice in chronic.

Medical Condition aggravated by long term exposure

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

NAME	PRODUCT IDENTIFIER	%
Tetrasodium – EDTA	(CAS No) 64-02-8	Proprietary
Water	(CAS No) 7732-18-5	Proprietary

Section 4: FIRST-AID MEASURES

Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to unconscious person.

First aid measures after inhalation : IF INHALED: Remove to fresh air. Seek medical attention in severe cases or if recovery is not rapid.

First- aid measures after skin contact : IF ON SKIN (or clothing): Wash with soap and drench with water. Remove contaminated clothing and wash before reuse.

First-aid measures after eye contact : IF IN EYES: Irrigate with water until no evidence of chemical remains. Obtain medical attention

First-aid measures after ingestion : IF SWALLOWED: Give large quantities of milk or water immediately. Obtain medical attention.

After first aid, get appropriate medical attention. Note to Physician: Exposure may aggravate acute or chronic asthma, emphysema and bronchitis.

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Section 5: FIRE FIGHTING MEASURES

Flammable limits

Flash point : >212 ° F (> 100 ° C) Method used: Aqueous Solution
Flammable limits in air-lower : Not evaluated
Flammable limits in air-upper : Not evaluated.
Auto-ignition temperature : Not evaluated
TDG flammability class (Canada) : Not applicable

General hazards : None known
Firefighting extinguishing media : Carbon dioxide, dry chemical, foam, water.
Firefighting equipment : No additional specialized equipment should be required.
Fire and explosion hazards : No unusual hazards.
Hazardous combustion products : burning may produce oxides of carbon, nitrogen or sulfur.
Explosive data-sensitivity to mechanical
Impact : Not evaluated.
Explosive data-static discharged : Not evaluated.

Section 6: ACCIDENTAL RELEASE MEASURES

Spill/Leak procedures : Wear appropriate PPE – See Section 8.
Small spills/leaks : Soak up with inert absorbent material. Shovel into closable container for disposal.
Large spills/leaks : Large spills should be handled according to a predetermined plan.
Containment : For large spills, dike far ahead of contaminated runoff for later disposal.

DANGER! Eye corrosive. Avoid contact with eyes, skin and clothing. Contains Nitrilotriacetic acid or its salt as a by-product which has been found to cause cancer in test animals. Keep container closed. Wash thoroughly after handling. For industrial use only.

Section 7: HANDLING AND STORAGE

Handling

Avoid contact with product. Do not breathe vapor

Storage

Avoid heat or moisture. Store in areas, away from heat and moisture and protected from physical damage. Segregate from acids and oxidizers.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Composition	CAS Number	TWQ	STEL	IDLH
Sodium Edetate EDTA	64-02-8	*	*	*

*None established. Control as nuisance dust.

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Ventilation	: Provide general or local exhaust ventilation systems.
Respiratory protection	: Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations, wear a SCBA. Warning! Air purifying respirators do not protect workers in oxygen-deficient atmospheres.
Protective clothing / equipment	: Wear protective gloves, boots, and clothing when necessary to prevent excessive skin contact. Wear protective eyeglasses or goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).
Safety stations	: Make emergency eye wash stations, showers, and washing facilities available in the work area.
Contaminated equipment	: Remove this material from personal protective equipment as needed.
Comments	: Do not eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before food and beverage consumption.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Odor	: Odorless
Vapor pressure	: Not evaluated
Vapor density (Air=1)	: Not evaluated
Bulk Density	: Not evaluated
Water solubility	: Soluble
Specific gravity	: 1.29 – 1.31
Boiling point	: Not evaluated
Freezing point	: Not evaluated
Melting point	: Not evaluated
Evaporation rate	: Not evaluated
pH	: 11.5 – 12.5 (10% solution)
% volatile	: Not evaluated
Decomposition temperature	: Not evaluated
Odor threshold	: Not evaluated
Coefficient of water/oil	: Not evaluated

Section 10: STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Polymerization	: Hazardous polymerization will not occur.
Chemical incompatibilities	: This product is corrosive to aluminum. Do not store in aluminum containers.

Section 11: TOXICOLOGICAL INFORMATION

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Acute animal toxicity data

Eye effects (rabbit)	: Irritant.
Skin effects (rabbit)	: Irritant.
Inhalation toxicity	: Not evaluated.
Sensitization	: Not evaluated.
Chronic/Carcinogenicity	: Based on the doses and exposures conditions require to cause tumors in animals and the low concentration of NTA or its salts present, we do not believe exposure to this product under normal working conditions poses a human cancer risk.
Teratology	: Not evaluated.
Reproduction	: Not evaluated.
Mutagenicity	: Not evaluated.
Acute oral effects (rat)	: LC50 = 4,100 mg/L
Acute dermal toxicity	: Not evaluated.

Section 12: ECOLOGICAL INFORMATION

Eco toxicity	: Bluegill LC50 = 550 mg/L (96 hour)
Biological oxygen demand (BOD5)	: 10.0 mg/g
Chemical oxygen demand (COD)	: 250.0 mg/g
Activated sludge respiration	
Inhibition test	: Not evaluated
Additional information	: acute toxicity (Daphnia Magna) LC50 = 595 mg/L (48 hour)

Section 13: DISPOSAL CONSIDERATIONS

Disposal	: Waste disposal method: Bury or incinerate in approved site or facility in accordance with local, state (provincial) and federal regulations.
Disposal Regulatory Requirements	: RCRA hazard class: Refer to section 15: Regulatory information for RCRA status.
Container cleaning and disposal	: Emptied container may contain product residue and should not be reused.

Section 14: TRANSPORT INFORMATION

The data provided in the section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Proper shipping name	Technical Name (if N.O.S.)	Hazard Class	ID	PG
Dot: Not regulated				
IARA: Corrosive, n.o.s	(Contains sodium EDTA, Sodium hydroxide)	8	UN1760	PG III
IMDG: Corrosive, n.o.s	(Contains sodium EDTA, Sodium hydroxide)	8	UN1760	PG III
TDG: Corrosive liquids n.o.s	(Contains sodium EDTA, Sodium hydroxide)	8	UN1760	PG III

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Department of transportation: Not regulated under exception in Section 173.154 (d) (1) for bulk and non-bulk packaging when transported by motor vehicle or rail car.

Section 15: REGULATORY INFORMATION

State Right-to-Know/SARA Section 313 Information:

CAS No:	Common name/Chemical name:	State RTK:	SARA 313:
7732-18-5	Water/water	Non hazardous	No
64-02-8	Tetrasodium EDTA/Glycine, N,N-1,2-ethanediybis[N-(carboxymethyl)-tetrasodium salt]	Non hazardous	No
1310-73-2	Sodium hydroxide/Sodium hydroxide (Na(OH))	PA. NJ. MA.	No

SARA 311/312	: Immediate/Delayed
OSHA Status	: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR
TSCA Status	: All components are listed in TSCA inventory.
SARA 302 Extremely hazardous substance	: None
CAA	: None known
CERCLA	: Not a hazardous substance under CERCLA (40 CFR 302.4)
CWA	: None known
RCRA	: If pH is equal to or greater than 12.5, the product may be considered a hazardous waste under RCRA (40 VFR 261.22) Corrosively D002.
California Proposition 65	: Not listed.
Canada	: All components are listed on the Canadian DSL
Canada CEPA	: Controlled product, Class D2, E
Additional information	: None

Section 16: OTHER INFORMATION

Indication of changes	: Revision 2.0
Revision date	: September 15, 2016
Other information	: ERM

NOTE TO EMPLOYER

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please ensure this information is provided to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in you SDS. Discard any previous edition of this SDS.

DISCLAIMER

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our

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End of Safety Data Sheet

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