

# SAFETY DATA SHEET



Date Prepared : 06/10/2016

SDS No : Boiler Balm

Date Revised : 03/29/2021

Revision No : 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**GENERAL USE:** 208-375-7200  
**PRODUCT DESCRIPTION:** Boiler Water Treatment  
**PRODUCT CODE:** Boiler Balm  
**PRODUCT FORMULATION NAME:** Boiler Balm  
**CHEMICAL FAMILY:** Alkaline Blend

### MANUFACTURER

Technichem  
 P.O. Box 475  
 Rupert, ID 83350  
**Emergency Contact:** Corporate Office  
**Emergency Phone:** 208-531-4100  
**Customer Service:** 208-531-4100  
**Transportation:** 1-800-633-8253 PERS

### 24 HR. EMERGENCY TELEPHONE NUMBERS

PERS 1-800-633-8253 contract # 8575

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

Serious Eye Damage  
 Skin Corrosion

### GHS LABEL

Causes severe skin and eye burns.



Corrosion



Exclamation  
 mark

**SIGNAL WORD:** DANGER

### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.  
 H335: May cause respiratory irritation.  
 H302 + H312: Harmful if swallowed or in contact with skin.

### PRECAUTIONARY STATEMENTS

#### General:

P262: Do not get in eyes, on skin, or on clothing.  
 P270: Do not eat, drink or smoke when using this product.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P306+P360: IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Brown Liquid

**IMMEDIATE CONCERNS:** Causes severe skin and eye burns.

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## POTENTIAL HEALTH EFFECTS

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Corrosive, causes skin burning.

**SKIN ABSORPTION:** Corrosive, causes skin burning.

**INGESTION:** Can burn mouth, throat and stomach.

**INHALATION:** Dust or vapor irritating to eyes and respiratory tract.

## REPRODUCTIVE TOXICITY

**REPRODUCTIVE EFFECTS:** None known.

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** None known.

**MUTAGENICITY:** None known.

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** Corrosive

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Edta Disodium Salt	< 1	6381-92-6
Sodium Hydroxide	< 20	1310-73-2
Lignosulfonate	< 2	68131-32-8
D-gluconic Acid, Monosodium Salt	< 4	527-07-1
Phosphonic Acid, [nitrilotris(methylene)]tris-	< 5	6419-19-8

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Burning, severe pain to eyes.

**SKIN:** Irritation and redness

**SKIN ABSORPTION:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water or juice. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**ACUTE EFFECTS:** For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

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## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** None**GENERAL HAZARD:** Material will not burn.**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.**HAZARDOUS COMBUSTION PRODUCTS:** None Expected.**EXPLOSION HAZARDS:** None**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.**SENSITIVE TO STATIC DISCHARGE:** None**SENSITIVITY TO IMPACT:** None**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Mop up with water and rinse**LARGE SPILL:** Collect spilled product and reuse if possible. Wash area with detergent & water, caution surface may be slippery.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.**LAND SPILL:** Do not allow product to contaminate soil or ground water.**AIR SPILL:** None**GENERAL PROCEDURES:** Clean up spills immediately, observing precautions in Protective Equipment section.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep container closed when not in use.**HANDLING:** Follow all SDS/label precautions even after container is emptied because it may retain product residues.**STORAGE:** Keep container closed.**STORAGE TEMPERATURE:** Store in a cool place below ( 120 ) F ( 49 ) C.**LOADING TEMPERATURE:** NA = Not Applicable**LOADING/UNLOADING VISCOSITY:** NA = Not Applicable**STORAGE PRESSURE:** NA = Not Applicable**SHELF LIFE:** At least 2 years from date of manufacture**ELECTROSTATIC ACCUMULATION HAZARD:** None

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m <sup>3</sup>
Sodium Hydroxide	OSHA PEL	TWA		2
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
Phosphonic Acid, [nitrilotris(methylene)]tris-	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) and a face shield.

**SKIN:** Nitrile gloves

**RESPIRATORY:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**PROTECTIVE CLOTHING:** Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Do not smoke when using this product or any chemicals.

**OTHER USE PRECAUTIONS:** A Safety Shower and a Eye Wash Station should be available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight Lignosulfonate odor

**APPEARANCE:** Brown liquid

**COLOR:** Brown to almost black Liquid

**pH:** 14

**PERCENT VOLATILE:** 95%

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** 0 to 0

**AUTOIGNITION TEMPERATURE:** None

**VAPOR PRESSURE:** NA = Not Applicable

**VAPOR DENSITY:** NA = Not Applicable

**BOILING POINT:** 210 F

**FREEZING POINT:** < 20 F

**MELTING POINT:** NA = Not Applicable

**THERMAL DECOMPOSITION:** NA = Not Applicable

**SOLUBILITY IN WATER:** 100%

**EVAPORATION RATE:** Water = 1 Boiler Balm = 1

**DENSITY:** NA = Not Applicable

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**SPECIFIC GRAVITY:** 1.15**VISCOSITY:** water thin**(VOC):** 0 - VOC

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** NA = Not Applicable**HAZARDOUS POLYMERIZATION:** None Expected.**STABILITY:** Stable.**CONDITIONS TO AVOID:** Oxidizing materials.**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.**INCOMPATIBLE MATERIALS:** Aluminum and some paints.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**DERMAL LD<sub>50</sub>:** Product will cause severe burns to skin and eyes, Onset of pain may be delayed.**ORAL LD<sub>50</sub>:**

Harmful or fatal if swallowed.

The symptoms of chemical pneumonitis may not show up for a few days.

**SKIN CORROSION/IRRITATION:** Harmful in contact with skin**SERIOUS EYE DAMAGE/IRRITATION:** Product will cause severe burns to skin and eyes, Onset of pain may be delayed.**RESPIRATORY OR SKIN SENSITISATION:** May cause allergy or asthma symptoms or breathing difficulties if inhaled**GERM CELL MUTAGENICITY:** None Expected.

### CARCINOGENICITY

**IARC:** None**OSHA:** None**NOTES:** None**REPRODUCTIVE TOXICITY:** None

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** NA = Not Applicable**BIOACCUMULATION/ACCUMULATION:** None known.**AQUATIC TOXICITY (ACUTE):** None Expected.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Neutralize with acid to reach a Ph between 5 and 9 and dispose of into a waste water treatment system.  
Spent product may already be at a Ph of 9 or below.**FOR LARGE SPILLS:** Large amounts should be collected for re-use or consigned to a licensed hazardous waste hauler for disposal.**PRODUCT DISPOSAL:** Disposal should be in accordance with regulations**EMPTY CONTAINER:** Rinse with water, recycle if possible

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**RCRA/EPA WASTE INFORMATION:** No data available. Contact Env. Dept.

**RCRA HAZARD CLASS:** No data available. Contact Env. Dept.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid NOS

**TECHNICAL NAME:** Sodium Hydroxide

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 1760

**PACKING GROUP:** PG II

**NAERG:** 154

**U.S. SURFACE FREIGHT CLASS:** 55

**PLACARDS:** Corrosive

**LABEL:** Corrosive 8

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S7/8: Keep container tightly closed and dry.

R35: Causes severe burns.

R21/22: Harmful in contact with skin and if swallowed.

R41: Risk of serious damage to eyes.

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** None

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** None

#### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** None

#### CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** None

Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	< 20	1,000

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Lignosulfonate	68131-32-8
D-gluconic Acid, Monosodium Salt	527-07-1
Phosphonic Acid, [nitrilotris(methylene)]tris-	6419-19-8

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): None

CALIFORNIA PROPOSITION 65: None

## 16. OTHER INFORMATION

APPROVED BY: Brian Rencher TITLE: President

PREPARED BY: Brian Rencher Date Revised: 03/29/2021

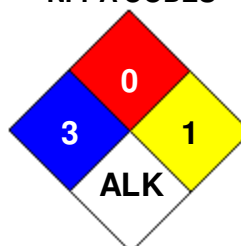
INFORMATION CONTACT: 208-375-7200

REVISION SUMMARY: This SDS replaces the 06/14/2016 SDS.

## HMIS RATING

HEALTH		3
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION	D	

## NFPA CODES



**MANUFACTURER DISCLAIMER:** This SDS is written with the best of our chemical knowledge and with common sense and in every day terms. If you do not understand a term or phrase please ask a supervisor.