

## SAFETY DATA SHEET

Date Prepared : 10/14/2015

SDS No : Positive 180 NF

### 1. PRODUCT AND COMPANY IDENTIFICATION

**GENERAL USE:** 208-375-7200

**PRODUCT DESCRIPTION:** HD HOT TANK & SPRAY CABINET DETERGENT

**PRODUCT CODE:** Positive 180 NF

**PRODUCT FORMULATION NAME:** Positive 180 NF

**CHEMICAL FAMILY:** Alkaline Detergent

#### MANUFACTURER

Technichem Corp  
1 N Maple Grove Road  
Boise, ID 83704

**Emergency Contact:** Brian Rencher

**Emergency Phone:** 208-375-7200

**Customer Service:** 208-375-7200

**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

#### 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.

#### PRECAUTIONARY STATEMENTS

##### General:

P262: Do not get in eyes, on skin, or on clothing.

#### POTENTIAL HEALTH EFFECTS

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

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

**SKIN ABSORPTION:** None known.

**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.

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MUTAGENICITY: None known.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Sodium Hydroxide	< 60	1310-73-2
Silicic Acid (h <sub>2</sub> sio <sub>3</sub> ), Disodium Salt	< 15	6834-92-0
D-gluconic Acid, Monosodium Salt	< 2	527-07-1
Edta Disodium Salt	< 1	6381-92-6
Alcohols, C12-14, Ethoxylated	< 1	68439-50-9
Potassium Hydroxide	< 15	11310-58-3
Triphosphoric Acid, Pentapotassium Salt	< 15	13845-36-8

**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****SKIN ABSORPTION:** None known.**ACUTE EFFECTS:** None Expected.**CHRONIC EFFECTS:** None Expected.**5. FIRE FIGHTING MEASURES****FLAMMABLE CLASS:** None**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.**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.**6. ACCIDENTAL RELEASE MEASURES****SMALL SPILL:** Mop up with water and rinse**LARGE SPILL:** After removal, flush contaminated area thoroughly with water.**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 MSDS/label precautions even after container is emptied because it may retain product residues.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)								
				EXPOSURE LIMITS				
				OSHA PEL		Supplier OEL		
Chemical Name				ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Sodium Hydroxide				TWA		2	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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Powder / Granular

**COLOR:** Off white

**pH:** 13.5 to 14

**PERCENT VOLATILE:** Not Available

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** 0 to 0

**AUTOIGNITION TEMPERATURE:** None

**VAPOR PRESSURE:** 16.5

**VAPOR DENSITY:** 16.5

**SOLUBILITY IN WATER:** 100%

**SPECIFIC GRAVITY:** 1

**(VOC):** 99.000

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** NA = Not Applicable

**HAZARDOUS POLYMERIZATION:** None Expected.

**CONDITIONS TO AVOID:** Oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.

**INCOMPATIBLE MATERIALS:** Aluminum and some paints.

## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Causes serious eye irritation.

**SKIN EFFECTS:** Harmful in contact with skin

**CHRONIC:** None Expected.

**SUBCHRONIC:** None Expected.

### CARCINOGENICITY

**IARC:** None Expected.

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OSHA: None Expected.

### 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:** 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.  
**PRODUCT DISPOSAL:** Rinse with water, recycle if possible  
**EMPTY CONTAINER:** Rinse with water, recycle if possible  
**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 Solid NOS  
**TECHNICAL NAME:** Sodium Hydroxide  
**PRIMARY HAZARD CLASS/DIVISION:** 8  
**UN/NA NUMBER:** UN 1759  
**PACKING GROUP:** PG II  
**NAERG:** 154  
**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 5  
**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.

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

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Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	< 60	1,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Sodium Hydroxide	1310-73-2
Silicic Acid (h2sio3), Disodium Salt	6834-92-0
D-gluconic Acid, Monosodium Salt	527-07-1
Alcohols, C12-14, Ethoxylated	68439-50-9
Triphosphoric Acid, Pentapotassium Salt	13845-36-8

**16. OTHER INFORMATION**

**APPROVED BY:** Brian Rencher    **TITLE:** President  
**PREPARED BY:** Brian Rencher    **Date Prepared:** 10/14/2015  
**INFORMATION CONTACT:** 208-375-7200

**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>3</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>1</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>D</b>

**NFPA CODES**

