

# SAFETY DATA SHEET

Issue Date 05-May-2014 Revision Date 05-May-2014 Version 1

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name CT-6320

Other means of identification

Product Code 350 Synonyms None

Recommended use of the chemical and restrictions on use

**Recommended Use** Open Recirculating System Deposit & Corrosion Inhibitor.

Uses advised against No information available

**Manufacturer Address** 

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

Chemtrec 1-800-424-9300

# 2. HAZARDS IDENTIFICATION

#### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

### Label elements

#### **Emergency Overview**

#### Warning

#### Hazard statements

Causes skin irritation

Causes serious eye irritation



Appearance aqueous solution

Physical state liquid

**Odor** Amine

### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

# **Precautionary Statements - Response**

Specific treatment (see Section 4 on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse

# Hazards not otherwise classified (HNOC)

#### Other Information

· Harmful to aquatic life with long lasting effects

Unknown Acute Toxicity 13.8% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Potassium hydroxide	1310-58-3	1.2	

<sup>\*</sup>The exact percentage (concentration) of composition has been withheld as a trade secret.

# 4. FIRST AID MEASURES

# First aid measures

Eye contact Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete

rinsing. Get immediate medical attention.

**Skin Contact** Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention.

Remove contaminated clothing and wash before reuse.

**Inhalation** Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

**Ingestion** Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate

medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing

or unconscious person.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Causes irritation (possibly severe), burns to the eyes. May cause permanent eye damage.

Causes skin irritation (possibly severe). Causes irritation to the respiratory tract. Causes irritation (possibly severe), burns, nausea, vomiting to the gastrointestinal tract. The severity of effects depend on concentration and how soon after exposure the area is washed.

Indication of any immediate medical attention and special treatment needed

# 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Water spray (fog). Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

Unsuitable extinguishing media None known.

### Specific hazards arising from the chemical

No information available.

**Explosion data** 

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool fire exposed containers.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection

equipment.

**Environmental precautions** See Section 12 for additional ecological information.

**Methods for containment**Completely contain spilled material with dikes or sand bags, etc.

Methods for cleaning up Recover as much material as possible into containers for disposal or reuse. Remaining

material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal.

# 7. HANDLING AND STORAGE

Precautions for safe handling

**Advice on safe handling** Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest.

Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate

ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed and properly labeled. Containers that have been emptied will

retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or

consume foods, beverages, tobacco in areas where this product is stored.

Incompatible materials Strong acids. Alkali sensitive metals.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** 

Expedition Guidelines :				
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	

#### Appropriate engineering controls

Showers

Eyewash stations Ventilation systems.

# Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Rubber boots. Wear suitable protective clothing.

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Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical state liquid

Appearance aqueous solution Odor Amine

ColorClear amberOdor thresholdNo information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pH values 10.6-11

Melting point/freezing pointNo information availableBoiling point / boiling rangeNo information availableFlash point> 100 °C / > 212 °FEvaporation rateNo information availableFlammability (solid, gas)No information available

Flammability Limit in Air

Upper flammability limit:
Lower flammability limit:
Vapor pressure
Vapor density

No information available
No information available
No information available

Specific Gravity 1.142

Water solubility Soluble in water

No information available Solubility in other solvents **Partition coefficient** No information available No information available **Autoignition temperature Decomposition temperature** No information available Kinematic viscosity No information available No information available **Dynamic viscosity Explosive properties** No information available Oxidizing properties No information available

**Other Information** 

Softening point
Molecular weight
VOC Content (%)
Density
No information available

# 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

# **Possibility of Hazardous Reactions**

None under normal processing.

# **Conditions to avoid**

Heat, flames and sparks. Do not mix with acids. Reactive metals.

# Incompatible materials

Strong acids. Alkali sensitive metals.

#### **Hazardous Decomposition Products**

None known.

# 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Product Information No data available

**Inhalation** May cause irritation of respiratory tract.

**Eye contact** Moderately irritating to the eyes.

**Skin Contact** Contact causes severe skin irritation and possible burns.

**Ingestion** May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium hydroxide	= 214 mg/kg (Rat)	-	-
1310-58-3			

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

SensitizationNo information available.Germ cell mutagenicityNo information available.CarcinogenicityNo information available.Reproductive toxicityNo information available.STOT - single exposureNo information available.STOT - repeated exposureNo information available.Aspiration hazardNo information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 13.8% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

13.8% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Potassium hydroxide	-	80: 96 h Gambusia affinis mg/L	<del>-</del>
1310-58-3		LC50 static	

#### Persistence and degradability

No information available.

### **Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Potassium hydroxide	0.65
1310-58-3	0.83

Other adverse effects No information available

# 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated packaging Do not reuse container.

Chemical Name	California Hazardous Waste Status
Potassium hydroxide	Toxic
1310-58-3	Corrosive

# 14. TRANSPORT INFORMATION

**DOT** Not regulated

# 15. REGULATORY INFORMATION

**International Inventories** 

**TSCA** Complies Complies **DSL/NDSL EINECS/ELINCS** Complies Does not comply **ENCS IECSC** Complies Complies **KECL PICCS** Complies Complies **AICS** 

### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### US Federal Regulations

# **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# SARA 311/312 Hazard Categories

Acute health hazard Yes
Chronic Health Hazard No
Fire hazard No

Sudden release of pressure hazard No Reactive Hazard No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium hydroxide 1310-58-3	1000 lb	-	-	Х

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Potassium hydroxide	1000 lb	-	RQ 1000 lb final RQ
1310-58-3			RQ 454 kg final RQ

# **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

# U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium hydroxide	X	X	X
1310-58-3			

#### **U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

### 16. OTHER INFORMATION

NFPA Health hazards 2 Flammability 0 Instability 0 Physical and Chemical

Properties -

Health hazards 2 Flammability 0 Physical hazards 0 Personal protection X

Prepared By Imi

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**Revision Note** 

No information available

### **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**