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## 1. Identification of the substance/preparation and of the company/undertaking

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**Product Name** Z-85  
**UN/ID No.** Not applicable  
**Synonyms** Not applicable

### Recommended use of the chemical and restrictions on use

**Recommended Use** Alkaline and Acid CIP Solution Defoamer  
**Uses advised against** Not applicable

### Supplier Address

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

### Emergency telephone number

Chemtrec 1-800-424-9300

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## 2. Hazards identification

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### Classification

**OSHA Regulatory Status**

**Skin Corrosion/Irritation** Category 2  
**Serious Eye Damage/Irritation** Category 2A

### Label Elements

Signal word: **Warning**

#### **Hazard Statements**

Causes skin irritation.  
Causes serious eye irritation.

#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves. Wear eye protection/face protection.

#### **Precautionary Statements - Response**

Specific treatment (see Section 4 on the SDS). 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.  
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.

#### **Precautionary Statements - Storage**

No information available

#### **Precautionary Statements - Disposal**

No information available

#### **Hazards not otherwise classified (HNOC)**

#### **Other Information**

May be harmful if swallowed



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## 3. Composition/information on ingredients

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Chemical Name	CAS Number	% by Weight
TSRN6909		40 - 50

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

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## 4. First aid measures

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#### **General advice**

No information available

#### **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.

**Self-protection of the first aider**

No information available

**Most important symptoms and effects, both acute and delayed****Symptoms**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

None known.

**Specific hazards arising from the chemical**

None known.

**Hazardous combustion products**

None known

**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. Move containers from fire area if you can do it without risk.

**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 out of the reach of children. Keep container tightly closed in a dry and well-ventilated place.

**Incompatible materials**

Strong oxidizing agents

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Guideline

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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### Appropriate engineering controls

Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Eye protection is recommended.

#### Skin and body protection

Not required for normal use. If contact is likely, wear protective gloves. If contact is likely, wear protective clothing appropriate to use conditions.

#### 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
Color	Colorless
Odor	Odorless
Odor threshold	No information available
pH	5 - 7, pH 1% solution
Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability upper limit in air	No information available
Flammability lower limit in air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.026 - 1.046
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

## 10. Stability and reactivity

#### Reactivity

No information available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

None known

#### Incompatible materials

Strong oxidizing agents

#### Hazardous Decomposition Products

No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Product Information</b>	No information available
<b>Inhalation</b>	No information available
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes skin irritation.
<b>Ingestion</b>	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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### Information on toxicological effects

**Symptoms** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

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

<b>Sensitization</b>	No information available
<b>Germ cell mutagenicity</b>	No information available
<b>Carcinogenicity</b>	No information available

Chemical Name	ACGIH	IARC	NTP	OSHA
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<b>Reproductive toxicity</b>	No information available
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Aspiration hazard</b>	No information available

### Numerical measures of toxicity - Product Information

No information available

## 12. Ecological information

### Ecotoxicity

The product is not classified as environmentally hazardous.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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<b>Persistence and degradability</b>	No information available
<b>Bioaccumulation</b>	No information available
<b>Other adverse effects</b>	No information available

## 13. Disposal considerations

### Waste treatment methods

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

Chemical Name	California Hazardous Waste Status
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## 14. Transport information

<b>DOT</b>	Not regulated
<b>UN/ID No.</b>	Not applicable
<b>Proper shipping name</b>	Not applicable
<b>Hazardous ingredients</b>	Not applicable
<b>Hazard class</b>	Not applicable
<b>Packing group</b>	Not applicable

## 15. Regulatory information

### US Federal Regulations

#### SARA 311/312 Hazards

Skin Corrosion/Irritation  
Serious Eye Damage/Irritation

#### 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	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
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#### 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)
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### US State Regulations

#### California Proposition 65

This product can expose you to chemicals including 1,4-Dioxane and Ethylene Oxide, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

## 16. OTHER INFORMATION

**NFPA** Health hazards 2 Flammability 1 Instability 0 Physical and Chemical Properties  
**HMIS** Health hazards 2 Flammability 1 Physical hazards 0 Personal protection X  
**Prepared By** L. Tipka  
**Issue Date** 2014-09-23  
**Revision Date** 2023-02-18  
**Revision Note** 2023-02-17 review and update

#### 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