



## SAFETY DATA SHEET

### Z-70W Waste Water Defoamer

Revision Date: 12 March 2021

#### 1) IDENTIFICATION

<b>PRODUCT NAME</b>	<b>Z-70W Waste Water Defoamer</b>
<b>IDENTIFICATION NUMBER</b>	
<b>PRODUCT USE/CLASS</b>	<b>Defoamer</b>
<b>CAS NUMBER</b>	<b>Mixture</b>

#### SUPPLIER:

Anderson Chemical Company  
 325 South Davis Avenue  
 Litchfield, MN 55355  
 Phone: (320)693-2477 Fax: (320)693-8238

Emergency telephone: 1-800-424-9300

#### 2) HAZARDS

**Classification:** Product is not classified as hazardous under GHS criteria or OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### GHS Label Elements:

**Symbol(s):** None

**Signal Word(s):** None

**Hazard statement(s):** None

#### Precautionary statement(s):

Prevention:	IF ON SKIN: Wash with plenty of soap and water. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting IF INHALED: Remove the affected individual into fresh air and keep at rest in a position comfortable for breathing Rinse mouth if ingested
Response:	In case of fire: Use any media appropriate for area for extinction.
Storage:	Store in a dry place. Store in a closed container.
Disposal:	Dispose of contents/container to a license waste handler in accordance with local/regional/national/international regulations

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Other Hazards: None known

**3) COMPOSITION/INFORMATION ON INGREDIENTS**

<b>COMPONENT NAME</b>	<b>CAS NUMBER</b>	<b>Concentration (% by wt)</b>
None		

Other Comments: Material is not considered a hazardous material as defined by OSHA.

**4) FIRST AID MEASURES**

<b>First aid measures:</b>	Remove contaminated clothing.
Eye:	Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek Medical attention.
Skin:	Wash thoroughly with soap and water. If irritation develops, seek medical attention.
Inhalation:	Remove the affected individual into fresh air and keep the person calm. Seek medical attention
Oral:	Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek Immediate medical attention

**Most important symptoms/effects:** No significant symptoms are expected due to the non-classification of the product.

**Notes to physician:** Treat according to symptoms (decontamination vial function). No known specific antidote.

**5) FIRE FIGHTING MEASURES**

<b>Flammability assessment:</b>	Not considered a fire hazard
<b>Unsuitable extinguishing media:</b>	None known all method are acceptable for fires in area of product.
<b>Specific firefighting measures:</b>	Standard material will burn if put to a flame
<b>Specific hazards during firefighting:</b>	CO, CO <sub>2</sub> , formaldehyde
<b>Special protective equipment and Precautions for firefighters:</b>	As with any fire protective equipment should be worn while fighting a fire in the area of this product. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**6) ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** High risk of slipping due to leakage/spillage of the product

For Personal Protective Equipment, see Section 8.

**Methods and materials for containment and cleaning up:**

Absorb with sand, etc. and dispose as dry waste in accordance with all applicable regulations. Absorb small spill with inert material (dry sand or earth), then place in a chemical waste container. For large spills, dike for later disposal.

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Do not discharge into soil, waterways or sewer systems.

**7) HANDLING AND STORAGE****Precautions for safe handling:**

Wash thoroughly after handling.

**Conditions for safe storage:**

Keep away from heat, sparks and flame. Keep container closed when not in use.

**8) EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE LIMITS								
Component	CAS #	OSHA PEL		ACGIH TLV		NIOSH REL		FORM
		TWA	CEILING	TWA	STEL	TWA	SKIN	
Mists		15mg/m <sup>3</sup> total		15mg/m <sup>3</sup> total				Mist

**Engineering Controls:**

Local Ventilation: Good local ventilation should be sufficient to control airborne levels.

General Ventilation: See above

**Personal Protective Equipment for Routine Handling and Spills:**

Eyes: Wear safety glasses, goggles or face shield where splash hazard.

Skin: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide protection against permeation

Suitable Gloves: rubber, latex, neoprene

Inhalation/Suitable Respirator: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant respirator use. In most cases an N95 particulate respirator is sufficient.

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection.

Precautionary Measures: Wash hands before eating. Remove contaminated clothing and wash before re-use.

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## 9) PHYSICAL AND CHEMICAL PROPERTIES

<b>Flash Point:</b>		420°F ASTM D93
<b>Flammability Limits in Air:</b>	<b>Lower Limit</b>	N.A.
	<b>Upper Limit</b>	N.A.
<b>Auto-ignition Temperature:</b>		N.D.
<b>Decomposition Temperature:</b>		N.D.
<b>Flammability:</b>		N.A.
<b>Appearance:</b>		CLEAR to Slt yellow color
<b>Odor:</b>		MILD
<b>Odor Threshold:</b>		N.D.
<b>pH (100.0 % @ 25°C):</b>		N.D.
<b>Melting/Freezing Point:</b>		< - 32 F
<b>Boiling Point:</b>		N.A.
<b>Evaporation Rate:</b>		Is slower than Ether
<b>Viscosity @ 25°C:</b>		300 – 500 cP
<b>Volatile Organic %:</b>		N.D.
<b>Vapor Pressure:</b>		14 mm @ 25 C
<b>Vapor Density (Air=):</b>		Is heavier than air
<b>Bulk Density @ 25°C:</b>		N.D.
<b>Relative Density @ 25°C:</b>		0.98-1.03
<b>Solubility in Water:</b>		SLIGHTLY
<b>Partition Coefficient (n-octanol/water):</b>		N.D

The Physical data presented here are representative values, as the actual product's values may vary slightly.

## 10) STABILITY AND REACTIVITY

<b>Reactivity:</b>	None known.
<b>Chemical stability:</b>	This product is stable under normal storage conditions.
<b>Possibility of hazardous reactions:</b>	None known
<b>Conditions to avoid:</b>	Exposure to elevated temperatures can cause product to decompose. Gas generated during decomposition can cause pressure in closed systems.
<b>Incompatible materials:</b>	Strong Acids, Strong Bases and Strong Oxidizers.
<b>Hazardous decomposition products:</b>	Can include Aldehydes, Alcohols, Ethers, Hydrocarbons, Ketones, Organic acids and Polymer fragments.

## 11) TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	
Oral:	Estimated LD50, Rat >4,000mg/kg
Dermal:	LD50, Rabbit >2,000mg/kg

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Inhalation:	Assessment of irritation effects: Not irritating to the eyes. Not irritation to the skin.
Skin corrosion/irritation:	This product has not been tested
Serious eye damage/irritation:	This product has not been tested
Respiratory sensitization:	This product has not been tested
Skin sensitization:	This product has not been tested
Specific Target Organ Toxicity (single exposure):	This product has not been tested
Aspiration hazard:	This product has not been tested

**Chronic Effects: No significant symptoms are expect due to the non-classification of this product**

Germ cell mutagenicity:	This product has not been tested
Carcinogenicity:	No components present at 0.1% or greater are classified as carcinogens by the NTP, IARC or OSHA.
Reproductive toxicity:	This product has not been tested
Specific Target Organ Toxicity (repeated exposure):	This product has not been tested

**Likely Routes of Exposure/Symptoms:**

Eye:	May cause slight temporary eye irritation.
Skin:	Prolonged exposure is not likely to cause significant skin irritation.
Inhalation:	No hazard expected in normal use. Vapors from heated material or mist may cause respiratory irritation.
Oral:	Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury. Swallowing large amounts may cause injury.

**12) ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50>100mg/L in the most sensitive species tested).
<b>Persistence and degradability:</b>	> 60% Biodegradable, 28 day OECD 301 F test.
<b>Bioaccumulative potential:</b>	None expected

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**Mobility in soil:** None expected

**Other adverse effects:** None expected

**13) DISPOSAL CONSIDERATIONS****Disposal considerations:**

Dry with absorbent material and dispose as dry waste in accordance with all local, state and federal regulations.

Do not dump into sewers, on the ground, or into any body of water.

**Empty container warnings:**

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**14) TRANSPORT INFORMATION****DOT Road Shipment Information (49 CFR 172.101):**

UN Number: Not DOT regulated by DOT, IMDG, ICAO/IATA

DOT Proper Shipping Name:

DOT Technical Name:

DOT Hazard Class(es):

DOT Packing Group:

Marine Pollutant:

**Air Shipment (IATA):** Not DOT regulated by DOT, IMDG, ICAO/IATA

**Ocean Shipment (IMDG):** Not regulated Not DOT regulated by DOT, IMDG, ICAO/IATA

Transport in bulk: Not regulated Not DOT regulated by DOT, IMDG, ICAO/IATA

**Special precautions:** None known

**15) REGULATORY INFORMATION****International Chemical Inventory Status:**

**USA (TSCA):** Listed on inventory: YES

**DSL** All components are listed.

**EINECS** All components are listed or exempt.

**AICS** All components are listed.

**Canada WHIMS** This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

**Canada WHIMS CLASS** Not a WHMIS controlled material.

**EPA SARA Title III Chemical Listings:**

**Z-70W Waste Water Defoamer****Section 302 Extremely Hazardous Substances:**

Component Name	CAS Number	wt %	Hazard
None			

**Section 304 CERCLA Hazardous Substances:**

Component Name	CAS Number	wt%	Reportable Quantity (#)
None			

**Section 312 Hazard Class:**

Acute:  Yes  No  
 Chronic:  Yes  No  
 Fire:  Yes  No  
 Pressure:  Yes  No  
 Reactivity:  Yes  No

**Section 313 Toxic Chemicals:** Only chemicals which exceed the reporting threshold are included below:

Component Name	CAS Number	wt%
NONE		

**Other Regulatory Concerns:****State right to know:**

Components	CAS Number	CA Prop 65	NJ	PA	MA
None					

**16) - OTHER INFORMATION**

Revision date: 12 March 2021  
 Reason for change: Annual Review  
 Revised by: JL  
 Reviewed by: LT  
 Approval date: 12 March 2021  
 Version: 4.0

	Health	Fire	Reactivity	Special
HMIS:	1	1	0	

Note: HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the SDS must be considered.

HMIS = Hazardous Material Information System

\*Chronic effect

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Disclaimer: This safety data sheet (SDS) was prepared in accordance with the 29 CFR 1910.1200. The information contained herein is based upon data available to us and reflects our best professional judgement. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. We assume no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application, storage, or disposal situation.