



## SAFETY DATA SHEET

### Z-71W

Revision Date: 03 July 2023

#### 1) IDENTIFICATION

**PRODUCT NAME** Z-71W  
**IDENTIFICATION NUMBER**  
**PRODUCT USE/CLASS** Defoamer  
**CAS NUMBER** Proprietary

**SUPPLIER:**

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

Emergency telephone: 1-800-424-9300  
(CHEMTREC) 24 Hours day / 7 Days week

#### 2) HAZARDS

**Classification:** Material is not classified as a hazardous substance according to OSHA or GHS standards.

**GHS Label Elements:** None

**Symbol(s):** None

**Signal Word(s):** None

**Hazard statement(s):** None

**Precautionary statement(s):**

Prevention: Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist  
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.  
If breathed in, move person into fresh air. If symptoms persist, call a physician  
If large quantities of this material are swallowed, call a physician immediately

Response: Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from firefighting to enter drains or water courses.

Storage: Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.

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**Disposal:** Dispose of in accordance to all local, State or National regulations.

**Other Hazards:** None

**3) COMPOSITION/INFORMATION ON INGREDIENTS**

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>Concentration (% by wt)</u>
Proprietary Blend		<100%

**Other Comments:** This product does not contain any hazardous materials as defined by OSHA standards.

**4) FIRST AID MEASURES****First aid measures:**

**Eye:** Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist

**Skin:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

**Inhalation:** If breathed in, move person into fresh air. If symptoms persist, call a physician

**Oral:** If large quantities of this material are swallowed, call a physician immediately

**Most important symptoms/effects:** None

**Notes to physician:** Treat symptomatically.

**5) FIRE FIGHTING MEASURES**

**Flammability assessment:** Under normal operational use not flammable

**Unsuitable extinguishing media:** High volume water jet.

**Specific firefighting measures:** Use media consistent with surrounding materials.

**Specific hazards during firefighting:** Do not use a solid water stream as it may scatter and spread fire. Do not allow run-off from firefighting to enter drains or water courses.

**Special 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.

**6) ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

See section 8 for recommended personal protective equipment

**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. Use appropriate safety equipment. Keep upwind of spill area. Do not discharge into soil, ground water, waterways or sewer system.

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

Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage:**

Store in original container.

Keep container tightly closed in a dry and well-ventilated place.

**8) EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE LIMITS**

Component	CAS #	OSHA PEL		ACGIH TLV		NIOSH REL		FORM
		TWA	STEL	TWA		TWA		
ANDERSON Z-71W	Proprietary	15mg/m3 total		15mg/m3 total		15mg/m3 total		Mist

**Engineering Controls:**

**Local Ventilation:** Good general ventilation should be sufficient to control any airborne levels.

**General Ventilation:** Good general ventilation should be sufficient to control any airborne levels.

**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:** Neoprene, Latex, Rubber

**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.

**Precautionary Measures:** Wash hands before eating. Remove contaminated clothing and wash before reuse.

**9) PHYSICAL AND CHEMICAL PROPERTIES**

**Flash Point:** >220 °C (open cup)

**Flammability Limits in Air:** Lower N.D.  
Limit

Upper Limit N.D.

**Auto-ignition Temperature:** >200 °C

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<b>Decomposition Temperature:</b>	>300 °C
<b>Flammability:</b>	N.D.
<b>Appearance:</b>	Clear Liquid
<b>Odor:</b>	Mild, Slightly sweet
<b>Odor Threshold:</b>	N.D.
<b>pH (100.0 % @ 25°C):</b>	N.D.
<b>Melting/Freezing Point:</b>	N.D.
<b>Boiling Point:</b>	>200 °C
<b>Evaporation Rate:</b>	Slower than ether
<b>Viscosity @ °C:</b>	150 mm <sup>2</sup> /s (40 °C) 440 mm <sup>2</sup> /s (20 °C)
<b>Volatile Organic %:</b>	N.D.
<b>Vapor Pressure:</b>	0.1 hPa
<b>Vapor Density (Air=):</b>	Is heavier than air
<b>Bulk Density @ 25°C:</b>	8.3 lbs. /gal.
<b>Relative Density @ 25°C:</b>	1.00
<b>Solubility in Water:</b>	Insoluble
<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>	Will not occur under normal conditions.
<b>Conditions to avoid:</b>	Extreme temperatures
<b>Incompatible materials:</b>	Strong acids, strong bases, oxidizers and reducing agents.
<b>Hazardous decomposition products:</b>	Carbon oxides, formaldehyde

**11) TOXICOLOGICAL INFORMATION****Acute Toxicity:**

Oral:	LD <sub>50</sub> (Rat): >5000 mg/kg
Dermal:	LD <sub>50</sub> : >2000 mg/kg (based on similar products)
Inhalation:	No data available
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.

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Respiratory sensitization:	Based on available data, the classification criteria are not met.
Skin sensitization:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity (single exposure):	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

**Chronic Effects:**

Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	No components present at 0.1 % or greater are classified as carcinogens by the NTP, IACR or OSHA.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity (repeated exposure):	Based on available data, the classification criteria are not met.

**Likely Routes of Exposure/Symptoms:**

Eye:	Direct contact may cause temporary irritation.
Skin:	Some individuals may experience minor irritation and discomfort to skin. Repeated or prolonged exposure may cause minor irritation.
Inhalation:	Not expected with normal use.
Oral:	Effects of ingesting small quantities are expected to be minimal. Never taste or swallow product.

**12) ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Fish (Oncorhynchus mykiss,) LC <sub>50</sub> (96hr)L >100 mg/L
<b>Persistence and degradability:</b>	Elimination: >60 % BOD of the ThOD (28d). Readily biodegradable
<b>Bioaccumulative potential:</b>	Complete data is not yet available
<b>Mobility in soil:</b>	This substance will not evaporate into the atmosphere from the water surface. Absorption to solid soil phase is not expected

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**Other adverse effects:** None Known

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

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

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

**Empty container warnings:**

Dispose of in accordance with all local/state/National/International regulations.

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

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

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

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

**Special precautions:** None known

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

<b>USA (TSCA):</b>	All components of this product are listed.
<b>DSL</b>	All components of this product are listed.
<b>NDSL</b>	All components of this product are listed.
<b>EINECS</b>	All components of this product are listed.
<b>AICS</b>	All components of this product are listed.
<b>CANADIAN WHMIS CLASS</b>	Not regulated under WHMIS.
<b>CANADIAN WHMIS:</b>	This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

**EPA SARA Title III Chemical Listings:**

**Z-71W****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					

Warning this product may contain a chemical known I the State of California to cause cancer, birth defects or other reproductive harm.

**16) - OTHER INFORMATION**

Revision date: 03 July 2023  
 Reason for change: New issue  
 Revised by: DM  
 Reviewed by: MTJ  
 Approval date: 03 July 2023  
 Version: 1.0

	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

**Z-71W****\*Chronic effect**

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.