

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

Product Name Z-10
UN/ID No. Not applicable
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Food grade defoamer
Uses advised against No information available

Supplier 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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label Elements

Signal word: **Not applicable**

Hazard Statements

Not applicable

Precautionary Statements - Prevention

Not applicable

Precautionary Statements - Response

Not applicable

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Not applicable

Hazards not otherwise classified (HNOC)

Other Information

Not applicable

3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
Silicone antifoam emulsion		9-15

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

4. First aid measures

General advice

Immediate medical attention is not required.

Eye contact

Flush immediately with plenty of water for 15 minutes. Lift upper and lower eyelids for complete rinsing. If irritation persists after rinsing, get 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 medical attention if symptoms occur. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Self-protection of the first aider

Avoid contact with chemical.

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

None known

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

Treat symptomatically.

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

Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂)

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

None known.

Hazardous combustion products

Carbon oxides, silicon oxides, formaldehyde

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**

Only trained personnel should respond to uncontrolled releases using preplanned procedures. Proper protective equipment should be used. For spills, clear the area, protect people, and respond with trained personnel.

Environmental precautions

Do not discharge into the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods for containment

Absorb spilled liquid with inert absorbent material.

Methods for cleaning up

Caution, floor may be slippery. Use care to avoid falling. Clean up with non-combustible absorbent. Shovel up and place all spill residue into suitable containers. Discard at appropriate waste facility according to current applicable laws and regulations and product characteristics at time of disposal.

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Keep container closed when not in use. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store in tightly closed containers. Store in a dry, well-ventilated area, away from incompatible materials, see Section 10. Protect container from damage and extremes of heat.

Incompatible materials

Can react with 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

Wear safety glasses.

Skin and body protection

Wear nitrile gloves and body-covering clothing.

Respiratory protection

For most conditions, no respiratory protection should be needed.

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	White
Odor	Mild
Odor threshold	No information available
pH	3.5 - 4.5
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	0.990 - 1.010
Water solubility	Dispersible
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

Can react with strong oxidizing agents.

Hazardous Decomposition Products

When heated to above 150 °C (300 °F) in the presence of air, product can form formaldehyde.

11. Toxicological information

Information on likely routes of exposure

Product Information	Not classified based on available information.
Inhalation	Not classified based on available information.
Eye contact	Not classified based on available information.
Skin Contact	Not classified based on available information.
Ingestion	Not classified based on available information.

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

Symptoms None known

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

Sensitization	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not identified as carcinogenic by IARC, OSHA or NTP.

Chemical Name	ACGIH	IARC	NTP	OSHA
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Reproductive toxicity	Not classified based on available information.
STOT - single exposure	Not classified based on available information.
STOT - repeated exposure	Not classified based on available information.
Aspiration hazard	Not classified based on available information.

Numerical measures of toxicity - Product Information

Not classified based on available information.

12. Ecological information

Ecotoxicity

Not identified as carcinogenic by IARC, OSHA or NTP.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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Persistence and degradability	No information available
Bioaccumulation	No information available
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
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14. Transport information

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

15. Regulatory information

US Federal Regulations

SARA 311/312 Hazards

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 does not contain any Proposition 65 chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA	Health hazards	0	Flammability	0	Instability	0	Physical and Chemical Properties	
HMIS	Health hazards	0	Flammability	0	Physical hazards	0	Personal protection	X
Prepared By	L. Tipka							
Issue Date	2024-04-25							
Revision Date	2024-04-25							
Revision Note	New product							

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