

MATERIAL SAFETY DATA SHEET



D4D DEFOAMER

SECTION 1 Product and Company Information

Product identifier D4D DEFOAMER
Product use Defoamer solution
Manufacturer ITW ROCOL North America
3624 West Lake Avenue
Glenview, Illinois 60026
1-800-452-5823
Emergency Info CHEMTREC, 1-800-424-9300

SECTION 2 Hazards Identification

Emergency overview No hazards resulting from the material supplied.

HMIS Rating

Health 1
Flammability 0
Reactivity 0
Personal Protection B

Routes of entry Skin, eyes, respiratory tract, digestive system.

Potential short-term health effects

Skin Prolonged or repeated exposure is not likely to cause significant skin irritation.

Eyes May cause mild irritation. Irrigate eyes with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.

Inhalation Negligible unless heated to produce vapors. If headache, dizziness or irritation of mucous membranes occur, remove to fresh air.

Ingestion May cause nausea, vomiting and diarrhea. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or having convulsions.

Potential long-term health effects None identified

SECTION 3 Chemical Composition/Hazardous Ingredients

Ingredients	CAS #	% by weight	OSHA/PEL	ACGIH/TLV
N/AP	N/AP	N/AP	N/AP	N/AP

This product contains no chemicals subject to the reporting requirements of OSHA's Hazard Communications Standard 29 CFR 1910.1200.

SECTION 4**First Aid Measures**

Skin contact	Immediately wash the exposed area thoroughly with soap and water. Remove contaminated clothing. Wash before reuse. If irritation persists, consult physician.
Eye contact	In case of contact, immediately flush with water for at least 15 minutes. If irritation persists, consult physician.
Inhalation	If inhaled, move to fresh air. If irritation persists, consult physician.
Ingestion	If swallowed, DO NOT induce vomiting. Obtain medical attention immediately.

SECTION 5**Fire Fighting Measures**

Flammability	Non-Flammable
Products of combustion	Oxides of carbon.
Flash point (Method)	N/AP water based product
Explosion data	
Sensitivity to mechanical impact	None known.
Sensitivity to static discharge	None known.
Oxidizing properties	None known.
Fire-fighting media and instructions	In case of fire use carbon dioxide, dry chemicals, foam, fog, sand or earth.
Special fire-fighting procedures/equipment	Self contained breathing apparatus and protective clothing is recommended to protect fire fighters from any hazardous combustion or decomposition products. Pressure build-up in the closed container may occur due to heat exposure.

SECTION 6**Accidental Release Measures**

Personal precautions	Use appropriate safety equipment. Avoid inhaling vapors or mist. Avoid contact with eyes, skin and clothing.
Environmental precautions	Do not allow spilled product to enter drains, sewers, or waterways.
Cleanup	Ventilate area. Eliminate all sources of heat and flame. Stop leak if safe to do so. Contain spill. Use absorbent material, such as vermiculite or sand. Place in suitable container for later disposal.
Prohibited materials	None.

SECTION 7**Handling and Storage**

Handling	Use appropriate safety equipment. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from extreme heat. Keep container closed when not in use.
Storage	Store away from extreme heat, flame, or ignition sources. Pressure build up may occur due to heat exposure or temperature change. Release pressure by slowly opening container.

SECTION 8**Exposure Controls and Personal Protection****Hygiene Measures**

Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke while handling this product.

Control Measures

General ventilation should be sufficient. Availability of eye wash station, washing facilities and safety shower is recommended.

Personal Protection

Safety glasses with splash guards are recommended.



SECTION 9**Physical and Chemical Properties****Physical state**

Liquid.

Color

Opque white.

Odor

Faint.

pH

7.0-8.0

Boiling point

100°C (212°F)

Melting/freezing point

0°C (32°F).

Vapor pressure

Not available.

Solubility

Emulsifies in water.

Specific gravity

1.00

Vapor density

> 1

Volatile organic compounds

None.

SECTION 10**Reactivity and Stability****Stability and reactivity**

Stable. Hazardous polymerization will not occur.

Conditions to avoid

Extreme heat.

Materials to avoid

Strong oxidizers.

Hazardous decomposition products

Thermal decomposition or burning will produce carbon monoxide and carbon dioxide.

SECTION 11**Toxicological Information****LD₅₀**

Not determined for the product.

LC₅₀

Not determined for the product.

Carcinogenic

None of the ingredients in this product are listed by IARC, ACGIH, NTP or OSHA as carcinogenic.

Teratogenicity

No data.

Mutagenicity No data.
Sensitization No data.

SECTION 12 Ecological Information

Environmental toxicity None reported.
Aquatic toxicity No data.

SECTION 13 Disposal Considerations

Handling for disposal Absorb on suitable material and follow procedures listed below.
Methods of disposal Dispose of in a manner that is recommended by local, state, provincial and federal laws and regulations

SECTION 14 Transportation Information

Not classified as hazardous for transport (TDG, CFR, IMO, ICAO.)

SECTION 15 Regulatory Information

WHMIS information None
CERCLA information Not regulated.
TSCA information All ingredients are included in the TSCA inventory.
SARA Title III Contains no ingredients which exceed De Minimus reporting requirements.
California Prop 65 The product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

SECTION 16 Other Information

Prepared by Rustlick, Inc., Steve Badger II, 1-800-452-5823
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References

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices, 2004.
2. Canadian Centre for Occupational Health and Safety., CCInfoWeb databases, 2004.
3. US EPA Title III Lists of Lists - October 2001 version.
4. Material Safety Data Sheets from manufacturer.