



Material Safety Data Sheet

1. IDENTIFICATION

PRODUCT NAME: H2-314D

CHEMICAL NAME/SYNONYMS:

CHEMICAL FAMILY: Water Base Defoamer

Emergency Number: For emergencies call Chemtrec at 1-800-424-9300

2. HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: Prolonged or repeated contact may cause skin or eye irritation. The health hazards of this product should be low under normal industrial and commercial uses.

EYE: Causes moderate eye irritation.

SKIN: A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Prolonged or repeated skin contact may cause irritation.

INHALATION: Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause coughing or sneezing. May cause headaches and dizziness.

INGESTION: Essentially non-toxic.

CARCINOGENICITY INFORMATION: No known cancer hazards.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: The health hazards of this product should be low under normal industrial and commercial uses.

HMS Rating: Health – 1 Flammability – 1 Reactivity - 0

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS #</u>	<u>COMPONENT</u>	<u>PERCENT</u>
Confidential	ETHOXYLATED ALCOHOL	PROPRIETARY

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

EXPOSURE GUIDELINES: No Information Available.

4. FIRST-AID MEASURES

EYE CONTACT FIRST AID: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID: Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Get medical attention if cough or other symptoms develop.

INGESTION FIRST AID: Ingestion is not considered a potential route of exposure. If swallowed, immediately give 2 glasses of water. Contact a physician.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

5. FIRE-FIGHTING MEASURES**FLAMMABLE PROPERTIES**

PMCC Flash Point: > 93.9 C (> 201.0 F)

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS: When water has evaporated, the residue will burn. No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Dike and collect water used to fight fire. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

COMBUSTION PRODUCTS: In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

NFPA CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0 SPECIAL HAZARD:
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL): Wear appropriate personal protective equipment. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater.

INITIAL CONTAINMENT: Contain spilled material. Absorb spills with inert material.

LARGE SPILLS PROCEDURE: Contain spilled liquid with sand or earth. Avoid runoff into storm sewers and ditches which lead to waterways. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE: Clean up area by absorbent material.

7. HANDLING AND STORAGE**RECOMMENDED STORAGE TEMPERATURE:**

Minimum: 0.0 C (32.0 F)

Maximum: 48.9 C (120.0 F)

HANDLING (PERSONNEL): Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged contact with skin or eyes. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS): Store in a secure area. Provide appropriate ventilation.

STORAGE PRECAUTIONS: Keep container tightly closed. Do not store near combustible materials. Avoid extreme temperatures. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE / FACE PROTECTION REQUIREMENTS: Chemical goggles are recommended to avoid contact with eyes.

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SKIN PROTECTION REQUIREMENTS: Wear protective gloves to minimize skin contamination. Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation.

RESPIRATORY PROTECTION REQUIREMENTS: When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: White
ODOR: Mild
BOILING POINT: > 212 F @ 760 mm Hg
VAPOR DENSITY: >1 (Air = 1)
SOLUBILITY IN WATER: Dispersible
SPECIFIC GRAVITY: 0.947 @ 80 F (Water = 1)
MELTING/FREEZING POINT: <35 F
PH: 7.3 to 8.5 @ 100 wt/wt%
VISCOSITY: 700 to 1000 cps @ 80F
EVAPORATION RATE: < 1 (Butyl Acetate = 1)
DENSITY: 7.9 lbs/gal

10. STABILITY AND REACTIVITY

STABILITY: This compound is stable at ambient conditions.
POLYMERIZATION: Hazardous polymerization will not occur.
INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with strong oxidizing agents.
DECOMPOSITION: Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.
CONDITIONS TO AVOID: Avoid extreme temperatures.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.
EPA Hazardous Waste: NO
CONTAINER DISPOSAL: Rinse containers before disposal.

14. TRANSPORT INFORMATION

This material is not regulated as a DOT Hazardous Material.

15. REGULATORY INFORMATION

SARA 311 Categories:
Immediate (Acute) Health Effects: Yes
Delayed (Chronic) Health Effects: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactivity Hazard: No
REGULATORY LISTS SEARCHED:
01 = SARA 313 02 = SARA 302/304
03 = ACGIH TWA 04 = ACGIH Calc TLV

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05 = CANADIAN WHMIS 06 = CA Proposition 65
07 = CERCLA 302.4 08 = ACGIH STEL
09 = OSHA PEL 10 = OSHA Ceiling

EEC Symbols and Indications of Danger: Not Determined

WHMIS Hazard Symbols: Class D-2(B) - Materials Causing Other Toxic Effects

MISCELLANEOUS INFORMATION: This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL).

16. OTHER INFORMATION

Do not use ingredient information and/ or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from H2O Technical Services.

DISCLAIMER:

We believe that the information in this MSDS is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulations, rules or insurance requirements.

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