

BACHARACH, INC.
MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet has been prepared to comply with the EC Directive, Canadian WHMIS and OSHA Hazard Communication Regulations.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

BACHARACH, INC.
(CHEMTREC)
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PRODUCT NAME: FLUID, DEFOAMER, FYRITE CO2

PRODUCT NUMBER: 11-0067

MSDS NUMBER: 99-0098

REVISION NUMBER: 6

MSDS DATE OF PREPARATION/REVISION: 04-07-00

SECTION 2: COMPOSITION/ INFORMATION INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Percentage</u>	<u>Exposure Limits</u>
Isooctyl Alcohols (C7-C9)	68526-83-0	>99.9	50 ppm TLV-TWA skin

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Transparent red liquid with a mild odor. Contact may cause irritation to the eye and skin. Vapors are irritating and may be harmful. May cause narcosis and other nervous system effects. May be absorbed through the skin.
Combustible Liquid.

ACUTE HEALTH HAZARDS:

EYE CONTACT: Irritating, may cause injury if not removed promptly.

SKIN CONTACT: May cause irritation. May be absorbed through the skin.

INHALATION: Low hazard at room temperature due to low volatility. High concentrations are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia and other central nervous system effects.

INGESTION: May cause gastrointestinal irritation. Small amounts aspirated into the lungs during swallowing or vomiting may cause bronchopneumonia or pulmonary edema.

CHRONIC HEALTH EFFECTS: Prolonged or frequent skin contact may cause dermatitis.

CARCINOGEN STATUS: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin and respiratory conditions may be aggravated by exposure to this material.

SEE SECTION 11 - TOXICOLOGICAL INFORMATION FOR ADDITIONAL DATA

SECTION 4: FIRST AID

EYE CONTACT: Immediately flush with copious amounts of water for at least 15 minutes, lifting the upper and lower lids. Get prompt medical attention.

SKIN CONTACT: Flush with water while removing contaminated clothing. Wash with soap and water. Get medical attention if irritation persists. Launder contaminated clothing before reuse.

INHALATION: If acute overexposure occurs, remove victim to fresh air. Give artificial respiration if needed. Get immediate medical attention.

INGESTION: Do not induce vomiting. Get immediate medical attention.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 184°F **TEST METHOD:** PMCC

AUTOIGNITION TEMPERATURE: Not available

FLAMMABLE LIMITS: **LEL:** Not available **UEL:** Not available

EXTINGUISHING MEDIA: Use foam, dry chemical, water spray. Use water to cool exposed containers.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH approved positive pressure self contained breathing apparatus and full protective clothing for all fires involving chemicals.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Can form combustible mixtures at or above the flashpoint. Empty containers retain product residues and can be hazardous. Keep containers away from heat and ignition sources.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Absorb with inert, non-combustible material and place in sealed container for disposal. Ventilate area.

SECTION 7: HANDLING AND STORAGE

WORK PRACTICES: Avoid contact with the eyes, skin and clothing. Avoid inhalation of vapors. Wash thoroughly after contact. Keep liquid away from heat and open flames.

SPECIAL PRECAUTIONS: Refer to MSDS for other Fyrite components for additional precautions.

STORAGE: Store in a cool, dry place, separate from acid and oxidizer storage. Avoid crushing containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: General ventilation should be adequate.

RESPIRATORY PROTECTION: None required for normal use. Do not inhale vapors.

GLOVES: Neoprene gloves recommended.

EYE PROTECTION: Wear chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT: An available source of running water for eye and skin flushing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Transparent liquid with a mild odor dyed red for visibility. There is no odor threshold data available.

pH: N/A

BOILING POINT: 363-376°F

MELTING POINT: -65°F (pour point)

SOLUBILITY IN WATER: 0.07% @ 68°F

COEFFICIENT WATER/OIL: N/A

SPECIFIC GRAVITY: 0.83 @ 68°F

VAPOR PRESSURE: 28 mm HG @ 212°F

VAPOR DENSITY: 4.5 (air=1)

PERCENT VOLATILE: >99.9%

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY: Strong oxidizing agents, inorganic acids, aldehydes, monomers and polymerizable esters, alkalyene oxides, halogens, acid anhydrides.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA: No LD50 or LC50 data is available for this material.

IRRITANCY DATA: This material is irritating to tissues.

SENSITIZATION: None of the components have been reported to cause sensitization in humans or animals.

REPRODUCTIVE TOXICITY: None of the components have reported to cause adverse reproductive effects in animals or humans.

TERATOGENICITY: None of the components have been reported to teratogenicity in animals or humans.

MUTAGENICITY: None of the components have been reported to be mutagenic.

SYNERGISTIC EFFECTS: There are no chemicals known to cause any additive adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION

The ecological effects of this product have not been evaluated.

SECTION 13: DISPOSAL

Dispose in accordance with all local, state, and federal regulations.

RCRA HAZARDOUS WASTE CODES: Not applicable.

SECTION 14: TRANSPORTATION DATA

US DOT SHIPPING NAME: Alcohol, n.o.s., Combustible Liquid, UN1987, PG III, Marine Pollutant (Isooctanol)

DOT LABELS REQUIRED: None

EMERGENCY RESPONSE GUIDE NUMBER: 127

IATA SHIPPING NAME: Not Regulated

IATA LABELS REQUIRED: N/A

SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard Categories for SARA Section 311/312 Reporting: Acute health, Fire hazard.

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Section 313 (40 CFR 372): None

CERCLA SECTION 103 REPORTABLE QUANTITY: N/A

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the State of California to cause Cancer and/or Reproductive Harm: None

US TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the EPA TSCA Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List.

EUROPEAN INVENTORY OF COMMERCIAL CHEMICAL SUBSTANCES: All of the components of this product are listed on the EINECS Inventory.

CANADIAN WHMIS CLASSIFICATION: Class B-3 (Combustible Liquid), Class D-2-B (Toxic Material Causing other Chronic Effects).

This product has been classified in accordance with the hazard criteria in the CPR and the MSDS contains all the information required by the CPR.

EUROPEAN COMMUNITY LABELING CLASSIFICATION: N/A

EUROPEAN COMMUNITY RISK AND SAFETY PHRASES: None

SECTION 16: OTHER INFORMATION

NFPA HAZARD RATING: **HEALTH:** 2 **FIRE:** 2 **REACTIVITY:** 0

DATE OF LATEST MSDS REVISION: 03-17-97

REVISION SUMMARY: Format Update, Section 5, 9, 14, 15, 16

The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of the product are not within the control of Bacharach, Inc., it is the users obligation to assure safe use of this product.