

MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Nonflammable Quick Flat Fix with Hose
MSDS NO. 3912
Revision Date: 02/01/2001
Date Printed 12/08/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Nonflammable Quick Flat Fix with Hose
Chemical Family: LATEX ACRYLIC
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLV STEL
1,1,1,2-Tetrafluoroethane 811-97-2	15-25	Not Known (Recommended <1000 ppm TWA)	Not Known	Not Known	Not Known
Ethanol 64-17-5	2-5				
Isopropyl Alcohol 67-63-0	1-3	400 ppm	Not Known	400 ppm	500 ppm
Monoethanolamine 141-43-5	<1	3 ppm	None Established.	3 ppm	6 ppm
Ammonia Hydroxide 1336-21-6	<0.1	None Established.	None Established.	None Established.	None Established.
proprietary amine ---	<0.1				

Contains no other ingredients in concentrations >.1% that are now known to be hazardous as defined by OSHA.

3. HAZARDS IDENTIFICATION

Emergency Overview: Content under pressure. "Frostbite-like" effects may occur if the liquid or escaping vapors contact the eyes or skin. Gross inhalation overexposure may cause: Central nervous system depression with dizziness, confusion, incoordination, drowsiness or unconsciousness or death.

HMIS Classification: Health: *2 Flammability: 2 Physical Hazard: 2
NFPA Rating: Health: 1 Flammability: 2 Reactivity: 1

4. FIRST AID MEASURES

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Ingestion: Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.
Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and shoes, and launder before reuse. Use approved skin lotions or creams to replace lost skin oils. Treat for frostbite if necessary by gently warming affected area.

5. FIRE FIGHTING MEASURES

Flammable Properties
Flash Point °F(°C): Not Determined
Flash Point Method: Not Determined
Flammable Limits in Air - Lower (%): Not Determined
Flammable Limits in Air - Upper (%): Not Determined
Autoignition Temperature °F(°C): Not Determined
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical. Use water spray to keep containers cool that are exposed to heat or flames.

Protection Of Fire-Fighters:
Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing. Warning!! Contents under pressure. Container may rupture under fire conditions. Decomposition may occur.

Trade Name: Johnsens Nonflammable Quick Flat Fix with Hose **MSDS NO.** 3912
Hazardous Combustion Products: Carbon Dioxide. Carbon Monoxide.
Aerosol Comments: NFPA Level 1 Aerosol

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
Spill Procedures: Contain any liquid from leaking containers. Wear protective equipment specified. Ventilate spill area. Soak up material with absorbent and place in chemical waste container.
 Increase area ventilation. Do not puncture or incinerate container. Contents under pressure.

Environmental Precautions: Keep away from drains.

7. HANDLING AND STORAGE

Handling and Storage: Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. CAUTION: COMPRESSED GAS. Do not puncture, incinerate or store above 120 F. Do not store in passenger compartment of automobile. Should not be mixed with air for leak testing or used for any other purpose above atmospheric pressure.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Showers. Eyewash stations.
Eyes: Wear safety glasses or goggles to protect against exposure.
Skin Protection: Avoid skin contact. Wear protective clothing and gloves.
Respiratory Protection: Use in a well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White foam or liquid.
Odor: MILD ETHER LIKE **pH Value:** Not Determined
Vapor Pressure: Not Determined **Vapor Density (Air=1):** Not Determined
Boiling Point (°F): -15.7 F. (Lowest Component) **Melting/Freezing Point:** Not determined.
Solubility in Water: SOLUBLE **Bulk Density at 20°C:** Not Determined
Molecular Weight: Mixture **Evaporation Rate:** >1
Viscosity: Not determined. **Specific Gravity (H2O=1):** Not determined.
VOC Content(%): Not determined. **Decomposition Temperature:** Not Known

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Do not expose to heat or store at temperatures above 120 F.
Materials to Avoid: Avoid contact with acidic, basic or oxidizing agents. Avoid contact with alkali or alkaline earth metals.
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. This material can be decomposed by high temperatures forming hydrofluoric acid and possibly carbonyl fluoride.
Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Ingredient/CAS No.	wt. %	Route	Species	Dose
1,1,1,2-Tetrafluoroethane 811-97-2	15-25	Inhalation	Rats	LC50 1500 gm/m3/4H
Ethanol 64-17-5	2-5	Inhalation	Rats	Not known.
Isopropyl Alcohol 67-63-0	1-3	Inhalation	Rats	LC50 16,000 ppm
Monoethanolamine 141-43-5	<1	Oral	Rats	1720 mg/kg.
Ammonia Hydroxide 1336-21-6	<0.1	Oral	Rats	Not known.
proprietary amine ---	<0.1	Inhalation	Rats	Not known.

Carcinogenicity:

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
1,1,1,2-Tetrafluoroethane 811-97-2	15-25	Not Listed	Not Listed	Not Listed
Ethanol 64-17-5	2-5	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	1-3	Not Listed	Not Listed	Not Listed

Trade Name: Johnsens Nonflammable Quick Flat Fix with Hose MSDS NO. 3912

Ingredient/CAS No.	wt. %	IARC	NTP	OSHA
Monoethanolamine 141-43-5	<1	Not Listed	Not Listed	Not Listed
Ammonia Hydroxide 1336-21-6	<0.1	Not Listed	Not Listed	Not Listed
proprietary amine ---	<0.1	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.

Waste Management: Not determined.

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT:

Proper Shipping Name: Consumer Commodity
Hazard Class: ORM-D
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable

IMDG:

Proper Shipping Name: Aerosols (Limited Quantity)
Hazard Class: 2.2
Hazard Subclass: Not determined.
UN No.: UN 1950
Packing Group: na
Marine Pollutant: No

15. REGULATORY INFORMATION

US Federal Regulations:

Ingredient/CAS No.	wt. %	SARA 313	SARA 302	RQ	TPQ
1,1,1,2-Tetrafluoroethane 811-97-2	15-25	Not Listed	Not Listed	NA	NA
Ethanol 64-17-5	2-5				
Isopropyl Alcohol 67-63-0	1-3	Listed	Not Listed	NA	NA
Monoethanolamine 141-43-5	<1	Not Listed.	Not Listed.	N/A.	N/A.
Ammonia Hydroxide 1336-21-6	<0.1	Not Listed.	Not Listed.	N/A	N/A
proprietary amine ---	<0.1				

SARA 311/312 Hazard Categories: Not Determined.

State Regulations:

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
1,1,1,2-Tetrafluoroethane	15-25	Not Listed	Not Listed	Not Listed	Not Listed

Trade Name: Johnsens Nonflammable Quick Flat Fix with Hose MSDS NO. 3912

Ingredient/CAS No.	wt. %	California Prop. 65 Cancer list	California Prop. 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
811-97-2					
Ethanol 64-17-5	2-5	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl Alcohol 67-63-0	1-3	Not Listed	Not Listed	Not Listed	Not Listed
Monoethanolamine 141-43-5	<1	Not Listed	Not Listed	Not Listed	Not Listed
Ammonia Hydroxide 1336-21-6	<0.1	Not Listed	Not Listed	Not Listed	Not Listed.
proprietary amine ---	<0.1	Not Listed	Not Listed	Not Listed	Not Listed

U.S. TSCA: The components of this product are listed on the TSCA Inventory.

16. OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

Disclaimer:

The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.