

Material Safety Data Sheet

Product Identity: *AUTOGUARD QUICK FLAT FIX*

Manufacturers Name: Warren Oil Company, Inc.
2340 U.S. HIGHWAY 301 NORTH
PO Box 1507 (Zip 28335)
Dunn, NC 28334

Emergency Assistance: Telephone (800) 779-6456

Chemtrec Number: Domestic: (800) 424-9300
International: (703) 527-3887

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Autoguard Quick Flat Fix
Chemical Family: Latex Acrylic
Synonyms/Common Names: Tire Sealer & Inflator
Emergency Telephone (24 hr.): 1-800-779-6456

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients/CAS No.	wt. %	OSHA PEL TWA	OSHA PEL Ceiling Limits	ACGIH TLV TWA	ACGIH TLW 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 ---	<0.2				

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

SECTION 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, in coordination, drowsiness or unconsciousness or death.

HMIS Classification: Health: 2 Flammability: 2 Physical Hazard: 2

SECTION 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: 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.

SECTION 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 Firefighters

Special Firefighting Procedures: **WARNING!!!** Contents under pressure. Container may rupture under fire conditions. Decomposition may occur. Wear approved positive-pressure self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: Carbon Dioxide. Carbon Monoxide.

Aerosol Comments: NFPA Level 1 Aerosol

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.

Spill Procedures: Wear protective equipment specified. Contain any liquid from leaking containers. 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.

SECTION 7 – HANDLING AND STORAGE

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

SECTION 8 – EXPOSURE CONTROL/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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Do not expose to heat or store 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.

SECTION 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 1550 gm/m ³ /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
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

SECTION 12 – ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Classification: Not Determined

Waste Management: Not Determined

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

SECTION 14 – TRANSPORT 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 Number: UN 1950
Packing Group: Not Applicable
Marine Pollutant: Not Applicable

SECTION 15 – REGULATORY INFORMATION

U.S. Federal Regulations:

Ingredient/CAS No.	wt. %	SARA 313	SARA 301	RQ	TPQ
1,1,1,2-Tetrafluoroethane 811-97-2	15-25	Not Listed	Not Listed	N/A	N/A
Ethanol 64-17-5	2-5				
Isopropyl Alcohol 67-63-0	1-3	Listed	Not Listed	N/A	N/A
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				

State Regulations:

Ingredient/CAS No.	wt. %	Calif. Prop. 65 – Cancer List	Calif. Prop. 65 – Developmental Toxicity	Calif. Prop. 65 – Reproductive Female	Calif. Prop. 65 – Reproductive Male
1,1,1,2-Tetrafluoroethane 811-97-2	15-25	Not Listed	Not Listed	Not Listed	Not Listed
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.

SECTION 16 – OTHER INFORMATION

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

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

The information and recommendations 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. Adjustments 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.

Date Revised: September 5, 2008