

Material Safety Data Sheet

Farrell Liquid Bonding Agent

Farrell Equipment & Supply Co., Inc.
1510 N. Hastings Way Eau Claire, WI 54703
715-835-4334



SECTION I: PRODUCT IDENTIFICATION

Sierra Corp/TK Products
11400 West 47th Street
Minnetonka, MN 55343

Emergency Telephone Number:
1-800-424-9300
Information Telephone Number
(952) 938-7223

Revision Date:
May 2006

PRODUCT NAME: FARREL Liquid Bonding Agent
PRODUCT CODE: TK-FFRA

HMIS CODES: H F R P
2 0 0 B

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT	EXPOSURE LIMITS			
		PERCENT	OSHA PEL	ACGIH	TLV	OTHER
*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***						

SECTION III: HEALTH HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE:

Skin contact.

EFFECTS OF ACUTE EXPOSURE:

EYES: Direct contact with eyes may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation. **INHALATION:** Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

CHRONIC HEALTH EFFECTS:

No anticipated chronic effects. **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**
No known effects on other illnesses.

SECTION IV: FIRST AID MEASURES

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has

Material Safety Data Sheet

Farrell Liquid Bonding Agent

Farrell Equipment & Supply Co., Inc.
1510 N. Hastings Way Eau Claire, WI 54703
715-835-4334



stopped administer artificial respiration. Seek medical attention if condition persists.

SECTION V: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: No flash

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a

METHOD USED: n/a

UPPER: n/a

EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

SECTION VI: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

SECTION VII: HANDLING AND STORAGE

HANDLING INFORMATION:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust over spray.

STORAGE INFORMATION:

Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatible materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

Material Safety Data Sheet

Farrell Liquid Bonding Agent

Farrell Equipment & Supply Co., Inc.
1510 N. Hastings Way Eau Claire, WI 54703
715-835-4334



SECTION VIII: CONTROL MEASURES/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION:

General room ventilation is adequate.

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

SECTION IX: PHYSICAL/CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Amine or ammonia odor

SPECIFIC GRAVITY (H₂O=1): 1.05

BOILING RANGE:

COATING V.O.C.: 0 g/l (0.0 lb/gal)

COLOR: Various colors

SOLUBILITY IN WATER: Dilutable

VAPOR DENSITY: Heavier than air.

EVAPORATION RATE: Slower than nBuAc

SECTION X: STABILITY/REACTIVITY DATA

STABILITY:

Stable under normal conditions and handling.

CONDITIONS TO AVOID:

None known

INCOMPATIBILITY (MATERIALS TO AVOID):

None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

Material Safety Data Sheet

Farrell Liquid Bonding Agent

Farrell Equipment & Supply Co., Inc.
1510 N. Hastings Way Eau Claire, WI 54703
715-835-4334



HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION XI: TOXICOLOGICAL INFORMATION

SENSITIZATION:

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

SECTION XII: ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

Contains ammonia or amines which may be toxic to aquatic life.

SECTION XIII: DISPOSAL CONSIDERATIONS

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

SECTION XV: REGULATORY INFORMATION

SHIPPING NAME:

Not regulated.

Material Safety Data Sheet

Farrell Liquid Bonding Agent

Farrell Equipment & Supply Co., Inc.

1510 N. Hastings Way Eau Claire, WI 54703

715-835-4334



All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

This product does not contain a chemical subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) above de minimis concentrations.

STATE SPECIFIC REQUIREMENTS:

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS

CAS NUMBER

STATE CODE

DISCLAIMER

The information contained within this MSDS was obtained from sources which Sierra/TK Products believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness. We do not assume responsibility for loss, damage or expense arising from storage, use, or disposal of this product.

CONDITIONS OF SALE/LIMITED WARRANTY: Sierra/TK Products, warrants that this product conforms to the label descriptions, is free from manufacturing defects, and is fit for the ordinary purposes for which such goods are used. In as much as the use of this product by others and other factors affecting product performance are beyond Sierra/TK Products' control, Sierra/TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. Should this product fail to give satisfactory results, Sierra/TK Products will replace the product or, at its option, refund the purchase price. This is the sole and exclusive remedy for any failure of this product to perform as warranted and shall also constitute liquidated damages in case of loss. Under no circumstances shall the buyer be entitled to any other remedy or damages. Remedies for incidental and consequential damages are specifically excluded. Sierra/TK Products does not authorize any person to assume for it any other liability