Cyberbond

Frame Fast LS 875

MATERIAL SAFETY DATA SHEET

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1 - Chemical Product and Company Identification

Product Name	**Frame Fast® Liquid Staple® #875 Clean Up and Thinning Solvent**	*Product Type*	Remover
Date Revised	7/31/2013	*Emergency Number*	800-535-5053

2 - Composition/Information on Ingredients

Hazardous Component	*CAS Number*	*%*
1,3-Dioxolane	646-06-0	80-85

Ingredients which Have Exposure Limits *Exposure Limits (TWA)*	*ACGIH (TLV)*	*OSHA (PEL)*	*OTHER*
1,3-Dioxolane	20 ppm TWA	None established	None

3 - Hazards Identification

Toxicity:	Prolonged exposure may cause chronic effects. Corrosive to the eyes and may cause severe damage including blindness. Chronic inhalation causes tiredness, headache and rhinitis. Chronic exposure may cause headache, confusion, tremors, memory loss, slurred speech and anorexia. Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness. Pro;onged or repeated exposure may cause injuries to liver, kidneys, lungs, nerves and hereditary factors.
Primary Routes of Entry:	Skin contact, eye contact, inhalation.

Signs of Exposure:	Dizzyness, headache, nausea

4 - First Aid Measures

Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation:	If inhaled move person to fresh air. If the person is not breathing give artificial respiration. Consult a physician.
Skin Contact:	Thoroughly wash exposed area with soap and water. If irritation develops, seek medical attention. Launder contaminated clothing before reuse.
Eye Contact:	Flush in warm water thoroughly for several minutes. Seek medical attention.

5 - Fire Fighting Measures

Flash Point:	-6°C, Method: Tag Closed Cup
Extinguishing Media:	Foam, Dry Chemical, or Carbon Dioxide
Unusual Fire or Explosion Hazards:	Extremely flammable. Vapors are heavier than air and may spread along floors. Formaldehyde may form when burned or in contact with strong acids.
Special Fire Fighting Procedures:	Use water spray to cool down fire-exposed containers.
Hazardous Products Formed by Fire or Thermal Decomposition:	Formaldehyde vapors

6 - Accidental Release Measures

Remove all sources of ignition. Vapors are heavier than air and can travel a considerable distance to an ignition source. Soak up spill with an inert material (clay, sand, sawdust) and store in a closed metal container until ready for disposal.

Steps to be taken in case of spill or leak:	Avoid flame and sparks. Maintain adequate ventilation. Collect in suitable and properly labeled containers. Use non-sparking tools for clean up. Ground and bond all containers and handling equipment. Pump with explosion- proof equipment. Use foam to smother or suppress.

7 - Handling and Storage

Safe Storage:	Keep container tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Handling:	Use explosion-proof equipment. Keep away from sources of ignition. Take measures to prevent the build up of electrostatic charge.

8 - Protective Equipment

Ventilation:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below
Respiratory Protection:	Use NIOSH approved respirator if there is potential to exceed exposure limits.
Skin:	Solvent resistant gloves.
Eye Protection:	Safety glasses or goggles with side shields.

9 - Physical and Chemical Properties

Appearance:	Clear liquid
Odor:	Ethereal
Boiling Point:	75°C (167°F)
Vapor Pressure:	70mmHg @ 68°F
Vapor Density:	approximately 2.56 (air=1)
Evaporation Rate:	no data available
Specific Gravity:	1.07
Solubility in Water:	soluble
VOC Content (EPA Method 24):	

10 - Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous Polymerization/ Decomposition:	Carbon oxides
Incompatibility:	0

11 - Toxicological Information

0

Acute Toxicity:	Oral: LD50=3000 mg/kg (rat). Inhalation: LC50 (rat) 4 hour -20,650 mg/m3.

12 - Ecological Information

Toxicity to fish: LC50-Cyprinodon variegatus-8294-12057 mg/l- 96 hours

13 - Disposal Considerations

Disposal Procedures:	Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations.

14 - Transportation Information

Domestic Ground Transport:

Proper shipping name:	Dioxolane
Hazard Class or Division:	3
Identification Number:	UN 1166
Packaging Group:	II
DOT Reportable Quantity:	No

International Air Transportation (ICAO/IATA):

Proper shipping name:	Dioxolane
Hazard Class or Division:	3
Identification Number:	UN 1166
Packaging Group:	II

Water Transportation (IMO/IMDG):

Proper shipping name:	Dioxolane
Hazard Class or Division:	3

Hazard Class or Division:	3
Identification Number:	UN 1166
Packaging Group:	II
Marine Pollutant:	No

15 - Regulatory Information

US Federal Regulations:

TSCA 8b Inventory Status:	All components are listed or exempt
CERCLA/SARA Section 302 EHS:	None above reporting de minimus
CERCLA/SARA Section 311/312:	Fire hazard, chronic health hazard
CERCLA/SARA 313:	None above reporting de minimus

International Regulations:

Canada DSL/NDSL	Listed
WHMIS Hazard Class:	B2, D1B
EINECS:	Listed
DSL:	Listed

State and Local Regulations:

CA Proposition 65:	None

16 - Other Information

Hazard:	*NFPA Hazard Code*	*HMIS Hazard Code*

Health:	1	1
Fire:	3	3
Reactivity:	0	0
Specific Hazard:	N/A	Personal Protection; See Section 8

NFPA is a registered trademark of the National Fire Protection Association.

HMIS is a regsitered trademark o fthe National Paint and Coatings Association.

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