

## Company Information



5232 Centerville Road Saint Paul MN 55127

651-426-4882

## 1. Product Information

**Product Name** - Flex-Bond Adhesive

**Description** - Plastic Adhesive

## 2. Hazardous Ingredients

Hazardous Components	Chemical ID	OSHA-PEL	ACGIH-TLV	Other Limits	
				Recommended	%
Methyl Ethyl Ketone	CAS 78-93-3	200 ppm	300 ppm	N/A	38-45
Acetone	CAS 67-64-1	1000 ppm	500 ppm	N/A	17-20
Methyl IsoButyl Ketone	CAS 108-10-1	100 ppm	50 ppm	N/A	7-9%
<b>Other Ingredients</b>	C.A.S. No.	%	Value - Unit	Type - Auth	
Vinyl Chloride-Vinyl	9003-22-9	18-40	N/A - N/A	N/A - N/A	
Acetate Polymer					
Polyurethane - Vendor	V.T.S.	20-30	N/A - N/A	N/A - N/A	
Trade Secret (V.T.S.)					

## 3. Physical and Chemical Characteristics

**Appearance:** Clear to Light yellow liquid

**Odor:** Characteristic

**Melting Point:** Undetermined

**Boiling Point:** 79° C - 174° F

**Ignition Temperature:** 514° C - 957° F

**Auto Ignition:** Product is not self igniting

**Vapor Pressure at 20° C - 68° F:** 105hPa (79mm Hg)

**Specific Gravity at 20° C - 68° F:** 0.956 g/cm<sup>3</sup>

**Solubility in / Miscibility with Water:** Not miscible

**Organic Solvents:** 50 - 60%

**Solids Content:** 41%

**Weight Per Gallon:** 8 lbs

## 4. Fire and Explosion Hazard Data

**Flash Point:** -4° C, 25° F

**LEL:** 1.8

**UEL:** 11.5

**Extinguishing Media:** CO<sub>2</sub>, Sand, Extinguishing Powder, Do Not Use Water

**Special Fire Fighting Procedures:** Do not use water or water w/full jet

**Protective Equipment:** Protective clothing and respiratory protective device

**Danger of Explosion:** Product is not explosive

## 5. Stability and Reactivity

Conditions to be avoided: No decomposition if used according to specifications

Dangerous reactions: No dangerous reactions known

Dangerous Products of decomposition: No dangerous decomposition products known

## 6. Health Hazard Data

Hazard Description - Irritant, flammable

### Information Pertaining to particular dangers for man and environment-

Has narcotizing effect. Highly flammable, Irritating to eyes. Vapors may cause drowsiness and dizziness.

### Warning-

Causes serious eye irritation. May cause drowsiness or dizziness.

#### **Prevention-**

Keep away from heat/sparks/open flame/hot surfaces. - No smoking. Use explosion-proof electrical/ventilating/lighting equipment

#### **Response-**

**If on skin** (or hair): Remove contaminated clothing immediately. Rinse skin with water/shower.

**If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing.

### **7. Precautions for Safe Handling and Use**

**Precautions to be taken in Handling and Storage:** Store in normal stable conditions

**Waste Disposal Method:** Dispose of contents/container in accordance with local/regional/national/international regulations

### **8. Control Measures**

#### **General Protective and hygienic measures-**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

#### **Breathing Equipment-**

Use approved respiratory protection and equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respiratory use limitations specified by the manufacturer.

#### **Personal Protective Equipment-**

**Hands:** the glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

**Eyes:** Safety glasses with side shields. Tightly sealed goggles.

**Body:** Protective work clothing

### **9. Transportation Information**

#### **DOT Regulations-**

**Un Number:** UN1133

**Hazard Class:** 3

**Packing Group:** II

**Proper Shipping Name:** ADHESIVES

### **10. HMIS Hazard Rating**

**Health = 1**

**Fire = 3**

**Physical Hazard = 0**

### **11. Regulatory Information**

**VOCs:** 545 g/l (4.45 lbs/gal)

**Solids:** 41%