



**Safra Bond™**  
(PLASTIC PIPE CLEANER)  
(PVC & CPVC)

**1. Identification:**

Commercial Name : Safra Bond Cleaner  
Chemical Family : Mixture of solvents  
Formula : Contains oxygenated solvents & MEK & Cyclohexanone  
Molecular Weight : NA

**2. Hazard Data TLV:**

Toxicity : Category 4  
Effect of single over-Exposure : Harmful, not recommended for long exposure congestion resulting in labored breathing aspirated in large amount into Lungs may cause severe lung damaged.  
Skin Absorption : Not known  
Inhalation : Harmful In high concentration may cause drowsiness.  
Skin Contact : Frequent or prolonged contact may irritate the skin  
Eye Contact : May injure eye tissues on prolonged contact  
Effect or repeated exposures : No adverse effects

**3. Ingredients:**

Materials : Contain Acetone, MEK & Cyclohexanone

**4. Emergency and first aid procedure**

Swallowing : Do not induce vomiting. Keep patient at rest  
Inhalation : Remove at once to fresh air using proper respiratory Protection, in case of severe exposure.  
Skin Contact : Wash with soap and water after removing Contaminated clothing.  
Eye Contact : Flush eyes with plenty of water

**5. Fire and Explosion Hazard Data:**

Flash Point (°C) : <4°C  
Extinguishing Media : Use foam, dry chemical powder.  
Unusual fire explosion Hazard. : None.

**6. Spill or Leak Protection:**

Steps to be taken if material is released or spilled

1. Eliminate all source of ignition
2. Call fire brigade
3. Contain spilled Liquid with Sand
4. Recover by pumping "explosion proof pump"
5. Collect all contaminated material for disposal

## 7. Handling & Storage:

The product should be confined within closed containers; in any case a general (mechanical) ventilation should be sufficient.

## 8. Special Protection Information:

Respiratory Protection : Required  
Protection Glove : Neoprene  
Eye Protection : Safety Glasses

### Special Precautions

- Keep away from heat, spark and flame
- Keep away from children
- Store in cold & dry area

## 9. Physical Data:

Appearance : Clear Liquid  
Freezing Point : Not reported  
Specific Gravity (Water=1) : 0.77-0.82  
Vapor Density (Air = 1) : Not reported  
Vapor Pressure (mPa) : Not defined  
Solubility in Water : Soluble  
Evaporation : 3.0 - 5.0  
(Butyl Acetate = 1)

## 10. Reactivity Data:

Stability : Stable  
Condition to Avoid : None  
Incompatibility (material to avoid) : Strong oxidizing agents, halogen, molten sulphur  
Hazardous Combustion or : Burning may produce carbon monoxide and/or carbon dioxide  
Decomposition Products  
Hazardous Polymerization : Will not occur

## 11. TOXICOLOGICAL Information:

TOXICITY	LD50	LC50	
Methyl Ethyl Ketone:	Oral: 2737 mg/kg	Inhalation 8hrs. 23,500 mg/m3	STOT SE3
Cyclohexanone:	Oral: 1535 mg/kg	Inhalation 4hrs. 8000 ppm	Not Established

<u>Reproductive Effects</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>	<u>Embryotoxicity</u>	<u>Sensitization to Product</u>	<u>Synergistic Products</u>
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

## 12. ECOLOGICAL Information:

**Aquatic Life Toxicity:** This product can be harmful or fatal to contaminated aquatic plant or animal life. Especially if released in large quantity in a body of water.

**Mobility in soil:** If released into the environment, this product can move rapidly through the soil.

### 13. Waste Disposal Method:

Incinerate in a special furnace or if the quantity is small expose for weathering.

### 14. TRANSPORT Information:

Proper shipping name: Adhesives  
 Hazard Class: 3  
 Secondary Risk: None  
 Identification Number: UN1133  
 Packing Group: PG II  
 Label Required: Class 3 Flammable Liquid  
 Marine Pollutant: NO  
 AU Hazchem Code: 3YE

### 15. REGULATORY INFORMATION:

Precautionary Label Information: Highly Flammable, Irritant, Carc, Car. 2  
 Symbols: F, Xi

### 16. OTHER INFORMATION:

Specification Information:  
 Training necessary: Yes, training in practices and procedures contained in product Literature.  
 Intended Use of Product: Solvent Cement for CPVC Plastic Pipe.