



Safra Bond™
(PLASTIC PIPE CEMENT)
(CPVC)

1. Identification:

Commercial Name : Safra Bond Cement
Chemical Family : Solvent Cement/Adhesive
Formula : Contains synthetic polymers, oxygenated solvents and Additives
Molecular Weight : NA

2. Hazard Data TLV:

Toxicity : Category 4
Effect of single over-Exposure into : Harmful, not recommended for long exposure congestion resulting in labored breathing aspirated in large amount
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 CPVC resin, Tetrahydrofuran, 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 : Flowable Bodied liquid
Freezing Point : Not reported
Specific Gravity (Water=1) : 0.90-1.00
Vapor Density (Air = 1) : Not reported
Vapor Pressure (mPa) : Not defined
Solubility in Water : Insoluble
Evaporation : 5.0-8.0
(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	Target Organs
Tetrahydrofuran (THF):	Oral: 2842 mg/kg(rat)	Inhalation 3hrs. 21,000 mg/m3(rat)	STOT SE3
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.