ATOOT™ अटूट

BHARAT PIPES

MATERIAL SAFETY DATA SHEET
CPVC Spray Yellow Solvent Cement upto 11/4" (32 mm)

Date Revised: Jan-2019
Supersedes: Jan-2009

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SPRAY CPVC YELLOW SOLVENT CEMENT UPTO 11/4" (32mm)
PRODUCT USE: Low VOC Solvent Cement for CPVC Plastic pipes
Product code - ACS
Meets ASTM D-2846 & F-493 PERFORMANCE STANDARDS
For potable water up to 180°F (82°C)
May be used without primer if local codes permit
Faster cure time/reduced installation time
Use before 2 years of Manufacturing date on the bottom of can

EMERGENCY: Call +91 70456 30777

MANUFACTURER:
Bharat Pipe Industries
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SECTION 2 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow, Syrupy liquid	**Odor Threshold:**	0.88 ppm (Cyclohexanone)
Odor:	Ketone	**Boiling Range:**	66°C (151°F) to 156°C (313°F)
pH:	Not applicable	**Evaporation Rate:**	>1.0 (BUAC = 1)
Melting/Freezing Point:	-108.5°C (-163.3°F) Based on first melting component: THF	**Flammability:**	Category 2
Boiling Point:	66°C (151°F) Based on the first boiling component: THF	**Vapor Pressure:**	129 mm Hg @ 20°C (68°F) Thf
Flash Point:	-20°C (-4°F) TCC based on THF	**Vapor Density:**	>2 (Air=1)
Specific Gravity:	0.9 @23°C (73°F) approximately .may vary		
Solubility:	Solvent portion soluble in water, Resin portion may separate out.		
Partition Coefficient n-octanol/water:	Not Available		
Auto - Ignition Temperature:	321°C (610°F) Based on Thf		
Decomposition Temperature:	Not applicable		
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test method 316A, VOC content is: <490 g/l		

SECTION 3 - HAZARDS IDENTIFICATION

GHS Label: 

Signal Word: Danger

Hazard Statements

- Highly flammable liquid and vapour
- Cause serious eye irritation
- Flammable liquid and vapour
- Harmful if inhaled
- May cause respiratory irritation
- May cause drowsiness or dizziness
- May form explosive peroxides
- Repeated exposure may cause skin dryness or cracking
- Keep away from heat/sparks/open flames/hot surfaces-No Smoking
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Wear protective gloves/protective clothing/eye protection/face protection
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Get medical advice/attention
- Store in a well ventilated place. Keep container tightly closed
- Dispose of contents/container in accordance with local regulation

SECTION 4 - COMPOSTION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH Pre-registration Number	Concentration % by weight
Tetrahydrofuran (Thf)	109-00-9	203-726-8	05-2116297729-22-0000	10-70
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	05-2116297728-24-0000	0 - 40
Cyclohexanone	108-94-1	203-631-1	05-2116297718-25-0000	10 - 40
Acetone	67-64-1	200-662-2	05-2116297713-35-0000	5 - 30

All the constitutes of this adhesive product are listed on the TCSA inventory of chemical substance maintained by US EPA, or are exempt from listing.

SECTION 5 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep away from heat, sparks and open flame.
provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin or eyes (see section 8)

Environmental Precautions: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

Method of Cleaning up: Cleanup with sand or other inert absorbent material. Transfer to a closable steel vessel.

Material not to be used for clean up: Aluminum or plastic containers

SECTION 6 - FIRST AID MEASURES

Contact with eyes: Flush eye immediately with plenty of water for 15 minutes and seek medical advice immediately.

Skin Contact: Remove contaminated clothing and shoes. Wash Skin thoroughly with soap and water. If irritation develops, seek medical advice.

Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

Ingestion: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION 7 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Dry Chemical powder, carbon dioxide gas, foam, Halon, water fog.
Unsuitable Extinguishing Media: Water spray or stream.
Exposure Hazards: Inhalation or dermal contact
Combustion Products: Oxides of carbon, Hydrogen chloride and smoke
Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure airline masks.

SECTION 8 - HANDLING AND STORAGE

Handling: Avoid Breathing of vapor, avoid contact with eyes, skin and clothing.
Keep away from ignition sources, use only electrically grounded handling equipment and ensure ventilation/fume exhaust hoods.
Do not eat, drink or smoke while handling

Storage: Store in ventilated room or shade below 33°C (90°F) and away from direct sunlight.
Keep away from ignition sources and incompatible materials: caustics, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates. Follow all precautionary information on container label, product bulletins and solvent cementing literature.

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SECTION 9 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Engineer Controls:	Use Local exhaust as needed.
Monitoring:	Maintain breathing zone airborne concentrations below exposure limits.
Personal protective Equipment (PPE):	
EYE Protection:	Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.
Skin protection:	Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion. Use of solvent resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedure are used for making structural bonds.
Respiratory Protection:	Prevent Inhalation of the solvents. Use in a well ventilated room. Open doors and/or windows to ensure airflow and air change. Use local Exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the exposure limit value will not usually be reached. When limits approached, use respiratory protection equipment.

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of C, hydrgenchloride & smoke
Conditions to avoid:	Keep away from heat, sparks, open flame and other ignition sources.
Incompatible Materials:	Oxidizers, strong acids and bases, amines, ammonia

SECTION 11 - TOXICOLOGY INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Inhalation:	Severe overexposure may result in nausea, headache. Can cause drowsiness, irritation of eyes and nasal passages.
Eye contact:	Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjuctival inflammation on contact with the liquid.
Skin Contact:	Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
Ingestion:	May cause nausea, vomiting, diarrhea and mental sluggishness.
Chronic (long-term effects):	Not known to humans.

Toxicity:

	LD50	LC50
Tetra hydro furan (THF)	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs. 21,000 mg/m3 (rat)
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m3 (rat)
Cyclohexanone	Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)	Inhalation 4 hrs. 8,000 mg/m3 (rat)
Acetone	Oral: 5800 mg/kg (rat)	Inhalation 50,100 mg/m3 (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None Known
Mobility:	On normal use, Emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of <490 g/l
Degradability:	Biodegradable
Bioaccumulation:	Minimal to none

SECTION 13 - WASTE DISPOSAL CONSIDERATION

Follow local and national regulations, consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name:	Adhesives
Hazard Class:	3
Secondary Risk:	None
Identification Number:	UN 1133
Packing group:	PG II
Label Required:	Class 3 Flammable liquid
Marine Pollutant:	No

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Irritant	
Symbols:	F, Xi	
Risk Phrases:	Highly flammable	Irritating to eyes and respiratory system.
	May from explosive peroxide	repeated exposure may cause skin dryness or cracking
	Harmful by inhalation	Vapors may cause drowsiness and dizziness.
Safety phrases:	Keep out of the reach of children	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	Keep container in a well ventilated place	Do not empty into drains.
	Keep away from source of ignition - No Smoking	Take precautionary measures against static discharges.
	Avoid contact with eyes.	If swallowed, seek medical advice immediately and show this container or label

SECTION 16 - OTHER INFORMATION

NFPA and HMIS :

NFPA Hazard Signal : Health: 2 Flammability: 3 Reactivity: 1 Speacial : None

HMIS Hazard Signal : Health: 2* Flammability: 3 Reactivity: 1 PPE : G

Disclaimer :

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