Marsh Laboratories

Safety Data Sheet

Section 1 - Product and company identification

1.1 Product Name : PVC Primer
1.2 Recommended Use of Chemical and Restrictions on Use
Use: Product is an adhesive solvent mixture used to bond PVC PIpe and fittings to each other. Not intended for any other use or application.

1.3 Details of the Supplier of the Safety data Sheet

Marsh Laboratories
2437 Waverly Street
Pittsburgh PA 15218-2626
United States

1.4 Emergency telephone number: Chemtel 800-255-3924
International: Chemtel 813-248-3924

Telephone number for information: 412-271-3060

1.5 Print Date: 8-June-2022

Section 2 - Hazards Identification

2.1 Classification of the Chemical
Hazard Class
Flammable liquids: Category 1
Acute toxicity 4 (oral)
Skin Corrosion 2
Serious Eye Damage 1
Skin Sensitization No
Respiratory Sensitization No
Specific Target Organ Toxicity - single exposure 3

2.2 Label Elements Hazard PIctograms:

Signal Word: Danger

Hazard Statement: HIghly flammable liquid and vapor. Causes serious eye irritation. Harmful if swallowed. Harmful if inhaled. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. May cause respiratory irritation. Read entire label carefully before use.

Prevention: Keep only in original container. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Do not breathe dusts or mists. Wear protective gloves/protective clothing/eye protection/face protection. Use only with good ventilation.

Response: Eliminate all ignition sources. Avoid breathing vapors. Prevent liquid from entering sewers. Absorb spillage to prevent material damage. If swallowed: Do NOT induce vomiting due to risk of aspiration into lungs. Immediately call a poison center/ doctor. If on skin (or hair) wash with soap and water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if symptoms persist. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison center/ doctor if symptoms persist.

Storage: Store in original packaging. Keep containers tightly closed. Store in a well ventilated place.

Disposal: Dispose of contents and container in accordance with all local, regional, national, and international regulations. We recommend evaporation of the contents in an outdoor location and recycling of the steel container.

Section 3 - Composition/ Information on Ingredients

3.1 Mixtures

Tetrahydrofuran CAS # 109-99-9 (20-30 %)
OSHA PEL 200 PPM
ACGIH TLV 200 PPM
Other recommended limits STEL 250 PPM

Acetone CAS # 67-64-1 (10-20%)
OSHA PEL 1000 PPM
ACGIH TLV 500 PPM

Methyl Ethyl Ketone CAS # 78-93-3 (50-70%)
OSHA PEL 200 PPM
ACGIH TLV 200 PPM
Other recommended limits STEL 300 PPM

Cyclohexanone CAS # 108-94-1 (5-10%)
OSHA PEL 50 PPM
ACGIH TLV 25 PPM

The exact percentage of composition has been withheld as a trade secret in accordance with paragraph(i) of 1910.1200.

Section 4 - First Aid Measures

4.1 Emergency and First Aid Procedures:

Eye: For contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison center/ doctor if sypmtoms persist.

Skin: For contact with skin (or hair) wash with soap and water.

I**nhalation:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if symptoms persist.

Ingestion: If swallowed, do NOT induce vomiting due to risk of aspiration into lungs. immediately call a poison center/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Eye: Eye irritant. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjuctiva.

Skin: Harmful in contact with skin. May cause redness, drying, defatting, and cracking of the skin.

Inhalation: May cause drowsiness and dizziness. May cause respiratory irritaiton. May cause nausea or vomiting.

Ingestion: Will cause liver and kidney damage. May cause stomach distress, nausea or vomiting.

4.3 Indication of an immediate medical attention and special treatments needed.

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5 - Fire-fighting Measures

5.1 Extinguishing Media Dry chemical or carbon dioxide (CO2)
For large fire use alcohol foam. Water Spray may be used to cool containers, but may be ineffective in controlling fire.

5.2 Special Hazards Arising from the Chemical

Products of combustion: May generate toxic or irritating combustion products.
Unusual Fire and Explosion Hazards: Fire hazard because of low flash point, high volatility, and heavy vapor.

5.3 Special Protective Equipment and Precautions for Firefighters:

Keep upwind of fire. Wear full firefighting turn-out gear (full bunker gear) and respiratory protection (SCBA).

Section 6 -Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 Methods and Materials for Containment and Cleanup.

Methods for Containment: Use polyethylene bag or containment drum or pail to contain spill. Provide ventilation. Dike area to prevent spreading. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Absorb spillage in non-combustible absorbent such as sand or vermiculite, and place in a suitable container for disposal. Allow spilled material to evaporate, providing adequate ventilation and eliminating all ignition sources.

Section 7 - Handling and Storage
7.1 Precautions for Safe Handling

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in original packaging. Keep containers tightly closed. Store in a well ventilated place.

Section 8 - Exposure Controls/Personal Protection

8.1 Control Parameters
Tetrahydrofuran CAS # 109-99-9
OSHA PEL 200 PPM
ACGIH TLV 200 PPM
Other recommended limits STEL 250 PPM

Acetone CAS # 67-64-1
OSHA PEL 1000 PPM
ACGIH TLV 500 PPM

Methyl Ethyl Ketone CAS # 78-93-3
OSHA PEL 200 PPM
ACGIH TLV 200 PPM
Other recommended limits STEL 300 PPM

Cyclohexanone CAS # 108-94-1
OSHA PEL 50 PPM
ACGIH TLV 25 PPM

8.2 Exposure Controls
Use ventilation adequate to keep exposure below recommendd exposure limits.

8.3 Individual Protective Measures

Respiratory Protection (Specify Type) None required with normal ventilation. If using where ventilation cannot be supplied, a half-mask respirator with an organic-vapors cartridge is recommended.
Protective gloves: Rubber or PVA
Eye Protection: Chemical safety goggles to prevent splashing in eyes.
Other protective Clothing or Equipment: Rubber, polyethylene, or Tyvek apron.
Work/Hygiene Practices: Use good industrial hygiene practice.

Section 9 -Physical and Chemical Properties

Appearance: Clear or Purple liquid. Characteristic ether-like solvent odor.
Color: Clear or Purple.
Odor: Pungent ether-like solvent odor
Odor Threshhold: 25 PPM
Physical State: Liquid
pH: 7
Melting Point/Freezing Point: Freeze point is below -40 C.
Boiling Point: 65.5 - 66.5 C.
Flash point (Method used): -22 C tag closed cup.
Evaporation rate (butyl acetate=1): 5.5 to 8
Flammable limits at 25 C: LEL 1.8% UEL 11.8%.
Vapor pressure (mm Hg): 190
Vapor Density (Air =1): 2.5
Relative Density/Specific gravity (H2O=1): Approximately 0.9
Solubility: Miscible
Partition Coefficient: n-octanol/water: .45
Auto-ignition Temperature: The product is not self-igniting.
Decomposition Temperature: 110 C to 400 C
Viscosity: Less than 1 cps
Percent Volatile, wt. %: 99
VOC Content grams/liter: 650

Section 10 - Stability and Reactivity

10.1 Reactivity
Reacts with oxidizing agents

10.2 Chemical Stability
The product is chemically stable

10.3 Possibility of Hazardous Reactions
No dangerous reaction known under conditions of normal use.

10.4 Conditions to Avoid
Avoid all sources of ignition: heat sparks, open flame. Avoid electro-static discharge

10.5 Incompatible Materials
Aluminum lithium hydride, alkaline-earth metal hydroxides, any oxidizer.

10.6 Hazardous Decomposition Products
No hazardous decomposition products if stored and handled as prescribed/indicated.

Section 11 - Toxicological Information

11.1 Information on Toxicological Effects

Likely Routes of Exposure Skin contact, skin absorption, eye contact, inhalation, and ingestion.

Acute Toxicity:
Oral: LD 50 Rat 1650 mg/kg

Inhalation: LC 50 Rat >14.7 mg/l

Dermal: LD 50 Rat >2000 mg/kg

Irritation/Corrosion: Rabbit Draize Test - Non-irritant

Skin: Rabbit Draize Test - Non-irritant

Eye: Rabbit Draize Test - Risk of serious damage to eyes

Sensitization: Mouse Local Lymph Node Assay (LLNA) - Non-sensitizing OECD Guideline 429
Aspiration Hazard: Possible severe lung damage and death if aspirated into lungs.

11.2 Delayed, Immediate, and chronic effects of short and long-term Exposure

Skin Corrosion/Irritation: Causes skin irritation

RespiratorySensitization: May cause allergy or asthma symptoms or breahing difficulties if inhaled
Skin Sensitization: Non-sensitizing
STOT-Single Exposure: May cause respiratory irritaion, May cause drowsiness, dizziness, or nausea
Chronic Health Effects: Based on available data, the classification criteria are not met.
Carcinogenicity: Although rodent testing has shown a tumorigenic effect, these results are thought to be due to a rodent specific liver effect that is not relevant to humans.

Germ Cell Mutagenicity: Ames test is negative

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Possible severe lung damage and death if aspirated into lungs.

Toxicologically Synergistic Materials: Not available
Other Information: Not available

Section 12: Ecological Information

1**2.1 Ecotoxicity** May cause long term adverse effect in the aquatic evvironment
12.2 Persistence and Degradability Not available
12.3 Bioaccumulative Potential Because of the the n-octanol/ water distribution coefficient (log Pow) accumulation in organisms is not to be expected.
12.4 Mobility in Soil Not available.
12.5 Other Adverse Effects Not available.

Section 13 - Disposal Considerations

Dispose of contents and container in accordance with all local, regional, national, and international regulations. We recommend evaporation of the contents in an outdoor location and recycling of the steel container.

Section 14 - Transport Information

US Department of Transportation
Hazard Class: 3
Shipping Name: Flammable Liquid
ID Number UN1133
Packing Group: II

Exemptions: 1 Liter or smaller containers ship as Limited Quantity. International Limited Quantity Label (Black Diamond) should be used.

IMDG
Hazard Class: 3
Shipping Name: Flammable Liquid
ID Number UN1133
Packing Group: II
Marine Pollutant: No

Air Transport IATA/ICAO
Hazard Class: 3
Shipping Name: Flammable Liquid
ID Number UN1133
Packing Group: II

Section 15 - Regulatory Information

Registration Status:
All components of this product are registered under TSCA

Cercla RQ
1000 lbs CAS Number 109-99-9 Tetrahdrofuran
Reportable quantity for release: 1000 lbs.

Section 16 - Other Information

HMIS:	**NFPA**
H: 2	**H: 2**
F: 4	**F: 4**
R: 1	**R: 1**
PP: B	