



GHS SAFETY DATA SHEET

MAINLINE® Purple Low VOC Primer for PVC and CPVC

Date Revised: NOV 2015
Superseded: JAN 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAINLINE® Purple Low VOC Primer for PVC and CPVC

PRODUCT USE: Low VOC Primer for PVC and CPVC Plastic Pipe

DISTRIBUTOR:
Hajoc Corporation
127 Coulter Avenue
Ardmore, PA 19003
Tel. 225-295-4212

EMERGENCY: Transportation: CHEMTEL Tel. 800 255-3924, +1 813-248-0585 (International) Medical: CHEMTEL Tel. 800 255-3924, +1 813-248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health	Environmental	Physical
Acute Toxicity: Category 4	Acute Toxicity: None Known	Flammable Liquid
Skin Irritation: Category 3	Chronic Toxicity: None Known	
Skin Sensitization: NO		
Eye: Category 2		

GHS LABEL:



Signal Word:
Danger

WHMIS CLASSIFICATION: CLASS B, DIVISION 2
CLASS D, DIVISION 2B

Hazard Statements

H225: Highly flammable liquid and vapor
H319: Causes serious eye irritation
H332: Harmful if inhaled
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
H351: Suspected of causing cancer
EUH019: May form explosive peroxides

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P403+P233: Store in a well ventilated place. Keep container tightly closed
P501: Dispose of contents/container in accordance with local regulation

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	EINECS #	REACH	CONCENTRATION
		Pre-registration Number	% by Weight
Tetrahydrofuran (THF)	109-99-9	203-726-8 05-2116297725-22-0000	15 - 25
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0 05-2116297728-24-0000	15 - 25
Acetone	67-64-1	200-862-2 05-2116297713-35-0000	10 - 30
Cyclohexanone	108-94-1	203-631-1 05-2116297718-25-0000	25 - 40

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.

* Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

SECTION 4: FIRST-AID MEASURES

Contact with eyes: Flush eyes 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.

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Inhalation: Severe overexposure may result in nausea, dizziness, 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 conjunctival 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: Category 2 Carcinogen

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.

HMIS 2 2 0-Minimal

Unsuitable Extinguishing Media: Water spray or stream.

Health 2 2 1-Slight

Exposure Hazards: Inhalation and dermal contact

Flammability 3 3 2-Moderate

Combustion Products: Oxides of carbon and smoke

Reactivity 0 0 3-Serious

Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure airline masks.

PPE B 4-Severe

SECTION 6: 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.

Environmental Precautions: Prevent contact with skin or eyes (see section 8).

Methods for Cleaning up: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.

Materials not to be used for clean up: Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

SECTION 7: 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 adequate ventilation/fume exhaust hoods.

Do not eat; drink or smoke while handling.

Storage: Store in ventilated room or shade below 27°C (80°F) and away from direct sunlight.

Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

Follow all precautionary information on container label, product bulletin and solvent cementing literature.

SECTION 8: PRECAUTIONS TO CONTROL EXPOSURE/PERSONAL PROTECTION

EXPOSURE LIMITS:

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL	OSHA PEL-Ceiling	CAL/OSHA PEL	CAL/OSHA Ceiling	CAL/OSHA STEL
Tetrahydrofuran (THF)	50 ppm	100 ppm	200 ppm	N/E	N/E	200 ppm	N/E	250 ppm
Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	N/E	N/E	200 ppm	N/E	300 ppm
Cyclohexanone	20 ppm	50 ppm	50 ppm	N/E	N/E	25 ppm	N/E	N/E
Acetone	500 ppm	750 ppm	1000 ppm	N/E	N/E	500 ppm	3000 ppm	750 ppm

Engineering 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 procedures 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 changes. 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.



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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple, thin liquid	Odor Threshold:	0.88 ppm (Cyclohexanone)
Odor:	Etheral		
pH:	Not Applicable		
Melting/Freezing Point:	-108°C (-182°F) Based on first melting component: THF	Boiling Range:	56°C (133°F) to 156°C (313°F)
Boiling Point:	56°C (133°F) Based on first boiling component: Acetone	Evaporation Rate:	> 1.0 (BUAC = 1)
Flash Point:	-20°C (-4°F) TCC based on Acetone	Flammability:	Category 2
Specific Gravity:	0.842 @23°C (73°F)	Flammability Limits:	LEL: 1.1% based on Cyclohexanone UEL: 12.8% based on Acetone
Solubility:	Solvent portion soluble in water. Resin portion separates out.	Vapor Pressure:	190 mm Hg @ 20°C (68°F) Acetone
Partition Coefficient n-octanol/water:	Not Available	Vapor Density:	>2.0 (Air = 1)
Auto-Ignition Temperature:	321°C (609.8°F) based on THF	Other Data: Viscosity:	Water-thin
Decomposition Temperature:	Not Applicable		
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤550 g/l		

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon and 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 - TOXICOLOGICAL INFORMATION

Toxicity:	LD ₅₀	LC ₅₀	Target Organs
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs: 21,000 mg/m ³ (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat). Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs: 23,500 mg/m ³ (rat)	STOT SE3
Cyclohexanone	Oral: 1535 mg/kg (rat). Dermal: 948 mg/kg (rabbit)	Inhalation 4 hrs: 8,000 PPM (rat)	
Acetone	Oral: 5800 mg/kg (rat)	Inhalation 50,100 mg/m ³ (rat)	STOT SE3

Reproductive Effect Not Established	Teratogenicity Not Established	Mutagenicity Not Established	Embryotoxicity Not Established	Sensitization to Product Not Established	Synergistic Products Not Established
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SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None Known
Mobility:	In normal use, emission of volatile organic compounds (VOC's) to the air takes place. Typically at a rate of ≤550 g/l.
Degradability:	Not available
Bioaccumulation:	Minimal to none.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

DOT, IATA, ADR, IMDG SHIPPING INFORMATION

Proper Shipping Name:	Flammable Liquid, n.o.s.	EXEMPTION: Case quantities in containers of less than one liter may be shipped as LIMITED QUANTITY or CONSUMER COMMODITY, CRM-D
Hazard Class:	3	
Secondary Risk:	None	
Identification Number:	UN 1933	
Packing Group:	PG II	TDG INFORMATION
Label Required:	Flammable Liquid	TDG CLASS: FLAMMABLE LIQUID 3
Marine Pollutant:	NO	SHIPPING NAME: FLAMMABLE LIQUID, n.o.s. (ACETONE)
		UN NUMBER/PACKING GROUP: 1993, PG II

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Irritant, Carc. Cat. 2	Ingredient Listings:	USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECUT/CCL, Japan MITI (ENCS)
Symbol:	F, Xn		
Risk Phrases:	R11: Highly Flammable. R20: Harmful by inhalation. R36/37: Irritating to eyes and respiratory system.	R68: Repeated exposure may cause skin dryness or cracking R67: Vapors may cause drowsiness and dizziness	
Safety Phrases:	S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition - No smoking. S25: Avoid contact with eyes.	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharge. S46: If swallowed, seek medical advise immediately and show this container or label.	

SECTION 16 - OTHER INFORMATION

Specification Information:		All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
Department issuing data sheet:	Safety Health & Environmental Affairs	
Training necessary:	Yes, training in practices and procedures contained in product literature.	
Release date / reason for release:	11/3/2015 / Updated GHS Standard Format	
Intended Use of Product:	Primer for PVC and CPVC Plastic Pipe	

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.