



## GHS SAFETY DATA SHEET

MAINLINE® PVC WET/DRY Aqua Blue Medium Bodied Low VOC Solvent Cement

Date Revised: NOV 2015  
Supersedes: JAN 2015

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** MAINLINE® PVC WET/DRY Aqua Blue Medium Bodied Low VOC Solvent Cement  
**PRODUCT USE:** Low VOC Solvent Cement for PVC Plastic Pipe  
**DISTRIBUTOR:** Hajoca 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			Category 2

#### GHS LABEL:



Signal Word:  
Danger

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

Hazard Statements	Precautionary Statements
H223: Highly flammable liquid and vapor	P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking
H319: Causes serious eye irritation	P261: Avoid breathing dust/fume/gas/mist/vapors/spray
H335: May cause respiratory irritation	P280: Wear protective gloves/protective clothing/eye protection/face protection
H330: May cause drowsiness or dizziness	P337+P313: Get medical advice/attention
H351: Suspected of causing cancer	P403+P233: Store in a well ventilated place. Keep container tightly closed
EUH019: May form explosive peroxides	P501: Dispose of contents/container in accordance with local regulation

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	EINECS #	REACH	CONSENTRATION % by Weight
109-99-9	203-726-8	05-2116297729-22-0000	45 - 60
78-93-3	201-159-0	05-2116297728-24-0000	4 - 15
67-64-1	200-682-2	05-2116297713-35-0000	14 - 25

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.	HMS	NFPA	0-Minimal
Unsuitable Extinguishing Media:	Water spray or stream.	Health	2	1-Slight
Exposure Hazards:	Inhalation and dermal contact	Flammability	3	2-Moderate
Combustion Products:	Oxides of carbon, hydrogen chloride and smoke	Reactivity	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 bulletins 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	250	N/E
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	300 ppm	N/E	200 ppm	N/E	300 ppm
	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.

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:	Aqua Blue, medium syrupy liquid	Odor Threshold:	1 ppm (Acetone)
Odor:	Ketone		
pH:	Not Applicable		
Melting/Freezing Point:	-108°C (-182°F) Based on first melting component: THF	Boiling Range:	56°C (133°F) to 80°C (176°F)
Boiling Point:	58°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:	0.924 @ 23°C ( 73°F)	Flammability Limits:	LEL: 1.4% based on MEK
Solubility:	Solvent portion soluble in water. Resin portion separates out.	Vapor Pressure:	UEL: 12.8% based on Acetone
Partition Coefficient n-octanol/water:	Not Available	Vapor Density:	190 mm Hg @ 20°C (68°F) Acetone
Auto-Ignition Temperature:	321°C (609.8°F) based on THF	Other Data: Viscosity:	>2.0 (Air = 1)
Decomposition Temperature:	Not Applicable		Medium bodied
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤510g/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, hydrogen chloride 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 <sub>50</sub>	LC <sub>50</sub>	Target Organs
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs. 21,000 mg/m <sup>3</sup> (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m <sup>3</sup> (rat)	STOT SE3
Acetone	Oral: 5600 mg/kg (rat)	Inhalation 50,100 mg/m <sup>3</sup> (rat)	STOT SE3

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitivity to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

### 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 ≤510g/L.
Degradability:	Not readily biodegradable
Bioaccumulation:	Minimal to none.

### SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

### SECTION 14 - TRANSPORT INFORMATION

#### DOT, IATA, ADR, IMO/IMDG SHIPPING INFORMATION

Proper Shipping Name:	Adhesives	EXEMPTION: Case quantities in containers of less than one liter may be shipped as LIMITED QUANTITY or CONSUMER COMMODITY, ORM-D
Hazard Class:	3	
Secondary Risk:	None	
Identification Number:	UN 1133	
Packing Group:	PG II	
Label Required:	Flammable Liquid	TDG CLASS: FLAMMABLE LIQUID 3
Marine Pollutant:	NO	SHIPPING NAME: ADHESIVES (ACETONE)
		UN NUMBER/PACKING GROUP: 1133, 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 ECL/TCL, Japan MTI (ENCS)
Symbols:	F, XI	R66:	Repeated exposure may cause skin dryness or cracking
Risk Phrases:	R11: Highly flammable. R36/37: Irritating to eyes and respiratory system.	R67:	Vapors may cause drowsiness and dizziness
Safety Phrases:	S2: Keep out of the reach of children 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 discharges.

### 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.
Reissue date / reason for reissue:	11/3/2015 / Updated GHS Standard Format
Intended Use of Product:	Solvent Cement for PVC 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.