



Ramtech Overseas, Inc
5017 West Laurel Street, Tampa, FL 33607, USA

PVC CEMENT CLEAR No. 616
Medium Body – Fast Set

V.07.20



MADE IN U.S.A.

PRODUCT NAME: 616 FOR PVC MEDIUM CLEAR

GHS SAFETY DATA SHEET

Revised: July 01, 2020

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Ramolene® 616™ Low VOC for PVC Plastic Pipe. Medium Body - Clear

Supplier: Ramtech Overseas, Inc., 5017 W. Laurel St., Tampa, FL 33607 USA. Tel: +1-813-287-2588 / Fax: +1- 813-287-1814

Emergency: Chemtrec: 800-255-3924 (USA) Outside USA: +1-813-248-0585

SECTION 2 – HAZARD CLASSIFICATION

GHS Classification:

Flammable Liquid Category 2
Skin Irritation Category 3
Acute Toxicity Category 4
Eye Irritation Category 2A
Inhalation Category 4

Signal Word:
Danger

GHS LABEL



Hazard Statements

Highly flammable liquid and vapor
Harmful in contact with skin
Harmful if swallowed
May cause respiratory irritation
Harmful if inhaled
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces
Do not drink or smoke when using
Wear eye & face protection/protective gloves & clothing
Wash thoroughly after using/handling
Store & Use in well-ventilated area. Keep container tightly closed
If breathing is difficult vacate to fresh air
Dispose of contents/container in accordance with local regulations

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

	Cas No.	Percent
Tetrahydrofuran	109-99-9	10-30
Methyl Ethyl Ketone	78-93-3	10-30
Cyclohexanone	108-94-1	20-40
Acetone	67-64-1	10-30

SECTION 4 – FIRST AID MEASURES

Eyes: If material comes into contact with immediately flush eyes with plenty of water. Seek medical attention if irritation persists.
Skin: Remove contaminated clothing. Wash exposed skin with soap and water. Seek medical attention if irritation persists.
Inhalation: Vacate to fresh or well-ventilated area. If breathing has stopped administer artificial respiration and seek medical advice.
Ingestion: Do not induce vomiting. Rinse mouth with water; give 1-2 glasses of water or milk. Seek medical advice immediately.

SECTION 5 – FIREFIGHTING MEASURES

General Fire Hazard: Highly Flammable liquid and vapor. Keep away from source of spark and ignition.
Extinguishing Media: Dry Chemical, Carbon Dioxide Gas, Foam Extinguisher.
Fire Fighter's Protection: Self breathing apparatus and full protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Prevent product from entering into drain, sewer or open water course.
Personal Precautions: Avoid contact with skin or eyes. Wear appropriate protective clothing, shoes and respiratory equipment. Provide sufficient ventilation.
Method for cleaning: Soak up spill with an inert absorbent. Put absorbent material in covered, labeled metal container.
Emergency Measures: Isolate area. Provide ventilation. Keep unnecessary personnel away.

SECTION 7 – HANDLING AND STORAGE

Handling: Keep away from source of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Do not eat, drink or smoke with handling material. Keep containers closed when not in use. Mark containers appropriately. Wash thoroughly after handling. Ensure proper ventilation.
Storage: Store in dry, cool well-ventilated area. Store under 100° Fahrenheit – 44° Celsius. Keep away from source of ignition and incompatible materials.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits:

	ACGIH TWA	ACGIH STEL	OSHA PEL	NOISH TWL
Tetrahydrofuran	50 ppm	100 ppm	200 ppm	200 ppm
Methyl Ethyl Ketone	200 ppm	300 ppm	200 ppm	200 ppm
Cyclohexanone	20 ppm	50 ppm	50 ppm	25 ppm
Acetone	250 ppm	500 ppm	1000 ppm	250 ppm

Engineering Measures: Provide sufficient ventilation, open doors and windows. Provide local exhaust as needed.

Personal Protective Equipment:

Eyes: Avoid contact with eyes. Wear splash proof goggles.
Skin: Prevent contact with skin. Wear rubber gloves for normal use. Wear chemical resistance glove for extended exposure.
Respiratory: Avoid inhalation of solvent and vapor. Provide adequate ventilation. Open doors and windows to allow air flow and cross ventilation. Provide local exhaust to keep exposure below allowable limits.



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear or Gray, medium syrupy liquid	Odor Threshold:	0.88 ppm (Cyclohexanone)
Odor:	Ketone	Boiling Range:	56°C (133°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:	56°C (133°F) Based on first boiling component: Acetone	Flammability Limits:	LEL: 1.1% based on Cyclohexanone
Flash Point:	-20°C (-4°F) TCC based on Acetone		UEL: 12.8% based on Acetone
Specific Gravity:	0.948 @23°C (73°F)	Vapor Pressure:	190 mm Hg @ 20°C (68°F) Acetone
Solubility:	Solvent portion soluble in water. Resin portion separates out.	Vapor Density:	>2.0 (Air = 1)
Partition Coefficient n-octanol/water:	Not Available	Other Data: Viscosity:	Medium bodied
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: ≤ 510 g/l.		

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable material
Hazardous Reaction:	None in normal use. Combustion will give off toxic and irritating vapors oxides of carbon, hydrogen chloride
Condition to avoid:	Keep away for source of ignition, spark, flame, heat.
Incompatible materials:	Oxidizing agents, amines, ammonia, alkalis

SECTION 11 – TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye:	Vapor may cause irritation. Over exposure may cause eye injury
Skin:	Contact with liquid may cause irritation, itching and pain.
Inhalation:	Vapors may cause respiratory irritation, headache, dizziness and.
Ingestion:	May cause nausea and vomiting.

Long Term Effects: None known to human

Toxicity:		
Tetrahydrofuran (THF)	Inhalation: 3 hrs. 21,000 mg/m ³ (rat)	Oral: 2842 mg/kg (rat), Dermal: > 2,000 mg/kg (rat)
Methyl Ethyl Ketone (MEK)	Inhalation: 8 hrs. 23,500 mg/m ³ (rat)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)
Cyclohexanone	Inhalation: 4 hrs. 8,000 PPM (rat)	Oral: 800 mg/kg (rat)
Acetone	Inhalation: 50,100 mg/m ³ (rat)	Oral: 5800 mg/kg (rat)

Reproductive Effects: Not established

Specific Target Organ General Toxicity – Single exposure: May cause respiratory irritation

Specific Target Organ General Toxicity – Repeated exposure: Not reported to have any effects

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	None known	Mobility:	Can move rapidly through the soil
Degradability:	Not readily biodegradable	Bioaccumulation:	Minimal to none

SECTION 13 – DISPOSAL

Dispose of waste and containers in compliance with applicable Federal, State, Provincial, and Local regulations. Consult disposal expert.

SECTION 14 – TRANSPORTATION

DOT INFORMATION:

For packaging more than 1 liter:		For packaging less than 1 liter:	
Proper Shipping Name:	Adhesives	Shipping Name:	ORM-D Consumer Commodity
Identification No.:	UN 1133		
Hazard Class:	3	Packing Group:	PG II
		Secondary Risk:	None
		Required Label:	Flammable Liquid

SECTION 15 – REGULATORY INFORMATION

Risk Phrases:

Highly flammable.
Harmful by inhalation.
Irritating to eyes.
Vapors may cause nausea and dizziness.
If swallowed take 1-2 glass of water or milk, seek medical advice immediately.
In case contact with skin rinse thoroughly or wash with soap and water.

Safety Phrases:

Keep container closed when not in use.
Keep container in cool and dry area.
Keep container in well ventilated area.
Keep away from source of ignition, flame, sparks.
Avoid contact with eyes.

SECTION 16 – OTHER INFORMATION

OSHA =	Occupational Safety and Health Administration	ACGIH =	American Conference of Governmental Industrial Hygienists
EPA =	Environmental Protection Agency	NIOSH =	National Institute for Occupational Safety and Health
TSCA =	Toxic Substance Control Act	NTP =	National Toxicology Program