A CSW Industrials Company

SAFETY DATA SHEET

HOT 203L BLUE

Medium Bodied PVC Solvent cement - Low VOC

Section 1 - Product and Company Information

PRODUCT NAME
Hot 203L Blue Medium Bodied PVC Solvent cement - Low VOC

PRODUCT CODE
55988, 55989, 55990, 55993, 55994

CHEMICAL FAMILY
Organic

USE
Low VOC Solvent Cement for PVC Plastic Pipe

MANUFACTURER'S NAME
RectorSeal LLC
2601 Spenwick Drive
Houston, TX 77055 USA

DATE OF VALIDATION
January 2021

DATE OF PREPARATION
January 2021

EMERGENCY TELEPHONE NO.
Chemtrec 24 Hours
(800) 424-9300 USA
(703) 527-3887 International

TECHNICAL SERVICE TELEPHONE NO.
(800) 231-3345 or (713) 263-8001

Section 2 - Hazards Identification

GHS CLASSIFICATION

ENVIRONMENTAL HAZARDS
Acute Toxicity: Not Known
Chronic Toxicity: Not Known

HEALTH HAZARDS
Acute Toxicity: Category 4
Skin Irritation: Category 3
Skin Sensitization: NO
Eye Irritation: Category 2

PHYSICAL HAZARDS
Flammable Liquid: Category 2

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Signal Word
Danger

WHMIS CLASSIFICATION
CLASS B, DIVISION 2
CLASS D, DIVISION 1B

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

RESPONSE

P337+P313: Get medical advice/attention

STORAGE

P403+P233: Store in a well ventilated place. Keep container tightly closed

DISPOSAL

P501: Dispose of contents/container in accordance with local regulation

Section 3 - Composition/Information on Ingredients

INGREDIENT	CAS NUMBER	EINECS	REACH Registration Number	CONCENTRATION % by Weight
Tetrahydrofuran (THF)	109-99-9	203-726-8	01-2119444314-46-0000	40 - 55
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	5 - 15
Cyclohexanone	108-94-1	203-631-1	01-2119453616-35-0000	10 - 20
Acetone	67-64-1	200-662-2	01-2119471330-49-0000	3 - 15

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

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

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

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

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

LIKELY ROUTE OF EXPOSURES: Inhalation, Eye and Skin Contact

ACUTE SYMPTOMS AND EFFECTS:

Inhalation: Severe overexposure may result in nausea, dizziness and 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 - Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.
Unsuitable Extinguishing Media: Water spray or stream.
Exposure Hazards: Inhalation and 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.

	HMIS	NFPA
Health	2	2
Flammability	3	3
Reactivity	0	0
PPE	B	

0-Minimal
1-Slight
2-Moderate
3-Serious
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. 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.

Methods for Cleaning up: Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

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

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 44°C (110°F) and away from direct sunlight.

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

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

Section 8 - Exposure Controls/Personal Protection

EXPOSURE LIMITS

Component	ACGIH 8-hr TLV	ACGIH 15-min STEL	OSHA 8-hr PEL	OSHA 15 min STEL	OSHA PEL-Ceiling	CAL/OSHA 8-hr PEL	CAL/OSHA Ceiling	CAL/OSHA 15-min 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	250 ppm	500 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.

Section 9 - Physical and Chemical Properties

Appearance:	Blue, medium syrupy liquid
Odor:	Ketone
pH:	Not Applicable
Melting/Freezing Point:	-108.5°C (-163.3°F) Based on first melting component: THF
Boiling Point:	56°C (133°F) Based on first boiling component: Acetone
Flash Point:	-20°C (-4°F) TCC based on Acetone
Specific Gravity:	0.955 @23°C (73°F)
Solubility:	Solvent portion soluble in water. Resin portion separates 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: < 510 g/l.
Odor Threshold:	0.88 ppm (Cyclohexanone)
Boiling Range:	56°C (133°F) to 156°C (313°F)
Evaporation Rate:	> 1.0 (BUAC = 1)
Flammability:	Category 2
Flammability Limits:	LEL: 1.1% based on Cyclohexanone UEL: 12.8% based on Acetone
Vapor Pressure:	190 mm Hg @ 20°C (68°F) Acetone
Vapor Density:	>2.0 (Air = 1)
Viscosity:	Medium bodied

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 - Toxicology Information

Toxicity:	LD50	LC50	Target Organs
Tetrahydrofuran (THF)	**Oral: 2842 mg/kg (rat)**	**Inhalation 3 hrs. 21,000 mg/m³ (rat)**	**STOT SE3**
Methyl Ethyl Ketone (MEK)	**Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)**	**Inhalation 8 hrs. 23,500 mg/m³ (rat)**	**STOT SE3**
Cyclohexanone	**Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)**	**Inhalation 4 hrs. 8,000 PPM (rat)**	**Not Established**
Acetone	**Oral: 5800 mg/kg (rat)**	**Inhalation 50,100 mg/m³ (rat)**	**STOT SE3**

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization 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 Soil: If released into the environment, this product can move rapidly through the soil.
Degradability: Not readily biodegradable
Bioaccumulation: Minimal to none.

Section 13 - Disposal Considerations

Follow local and national regulations. Consult disposal expert.

Section 14 - Transportation 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

EXCEPTION for Ground Shipping

DOT Limited Quantity:
Up to 5L per inner packaging, 30 kg gross weight per package.
Consumer Commodity:
Depending on packaging, these quantities may qualify under DOT as "ORM-D" .

TDG INFORMATION
TDG Class: FLAMMABLE LIQUID 3
Shipping Name: ADHESIVES
UN Number/Packing Group: UN 1133, PG II

Section 15 - Regulatory Information

Precautionary Label Information:	Highly Flammable, Irritant, Carc. Cat. 2
Symbols:	F, Xi
Risk Phrases:	R11: Highly flammable
	R36/37: Irritating to eyes and respiratory system
	R66: Repeated exposure may cause skin dryness or cracking
	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
Ingredient Listings:	USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Compliance Statement:	**This SDS was prepared to be in accordance with:** ***US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)*** ***European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures***

Section 16 - Other Information

Specification Information:
All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

Intended Use of Product:
Solvent Cement for PVC Plastic Pipe

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001