

Primer Cleaner - VC100 4T174

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Primer Cleaner - VC100 4T174
PRODUCT USE: Low VOC Primer for PVC Plastic Pipe
SUPPLIER: IPS Corporation
 777 McKay Road,
 Pickering, Ontario L1W 3A3
 Phone: 800 888-8312

EMERGENCY: Transportation: CANUTEC, 1 (613) 996-6666

Medical: CANUTEC, 1 (613) 996-6666

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Health		Environmental	
Eye Irritation: Category 2	Specific Target Organ Toxicity: (single exposure) Category 3	Acute Toxicity: (Aquatic) Category 2	Chronic Toxicity: None Known
Skin Irritation: Category 2	Specific Target Organ Toxicity: (repeated exposure) Category 2	Physical Flammable Liquid Category 2	
Carcinogenicity: Category 2			
Reproductive Toxicity: Category 2			
Aspiration Hazard: Category 1			

GHS LABEL:



Signal Word: **DANGER**

Hazard Statements	Precautionary Statements
H225: Highly flammable liquid and vapor H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation H335: May cause respiratory irritation H336: May cause drowsiness or dizziness. H351: Suspected of causing cancer H361: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H401: Toxic to aquatic life.	P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking P243: Take precautionary measures against static discharge. P261: Avoid breathing dust/fume/gas/mist/vapors/spray P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection P403+P233+P405: Store in a well ventilated place. Keep container tightly closed. Store locked up P501: Dispose of contents/container in accordance with local regulation

Response

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/Medical Attention
 P331: Do NOT induce vomiting.
 P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).
 P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+313: IF exposed or concerned: Get medical advice/attention.

Percentage of Ingredients Unknown of Acute Dermal Toxicity: 0%

Physical Hazards Not Otherwise Classified

May form explosive peroxides

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH	CONCENTRATION
			Registration Number	% by Weight
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	40 - 55
Toluene	108-88-3	203-625-9	01-2119471310-51-0000	30 - 45
Tetrahydrofuran (THF)	109-99-9	203-726-8	01-2119444314-46-0000	1 - 5
Acetone	67-64-1	200-662-2	01-2119471330-49-0000	1 - 5

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. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder or appropriate foam
Unsuitable Extinguishing Media: Water spray or stream.
Exposure Hazards: Inhalation and dermal contact
Combustion Products: Oxides of carbon and smoke
Unusual Fire and Explosion Hazards: Highly flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air. Can be ignited by static discharge. May travel a considerable distance to a source of ignition and flash back to a leak or open container. May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, resulting in a fire hazard.
Protection for Firefighters: Evacuate area. Fight fire from a safe distance or a protected location. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles. Before entry, especially into confined areas, use an appropriate monitor to check for flammable or explosive atmosphere. Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

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: Contain spill using noncombustible material such as vermiculite, earth or sand. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product.
Materials not to be used for clean up: Aluminum or plastic containers. Do not use absorbents.

SECTION 7 - HANDLING AND STORAGE

Handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Electrically bond and ground equipment. Ground clips must contact bare metal. Use non-sparking tools. Wash hands thoroughly after handling this material. No smoking. Avoid breathing in this product. Do not get in eyes, on skin or on clothing. Do not swallow. Avoid exposure during pregnancy and while nursing. Only use where there is adequate ventilation. Avoid generating vapours or mists.
Storage: Keep storage area separate from populated work areas. Store in a cool, dry, well ventilated area, out of direct sunlight and away from incompatible materials and any source of ignition. Ventilation fans and electrical equipment should be non-sparking. Follow all precautionary information on container label, product bulletins and solvent cementing literature.
ATTENTION: Emptied containers may retain hazardous residue and explosive vapours. Keep away from heat, sparks and flames. Do not cut puncture or weld near this container. Follow label warning until container is thoroughly cleaned or destroyed.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH 8-hr TLV	ACGIH 15-min STEL	OSHA 8-hr PEL	Ontario OEL-TWA	Ontario STEL / Ceiling	CAL/OSHA 8-hr PEL	CAL/OSHA Ceiling	CAL/OSHA 15-min STEL
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	N/E	N/E	200 ppm	N/E	300 ppm
	Toluene	50 ppm	150 ppm	100 ppm	150 ppm	300 ppm	10 ppm	500 ppm	150 ppm
	Tetrahydrofuran (THF)	50 ppm	100 ppm	200 ppm	N/E	N/E	200 ppm	N/E	250 ppm
	Acetone	250 ppm	500 ppm	1000 ppm	N/E	N/E	500 ppm	3000 ppm	750 ppm

Engineering Controls: Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Control static electricity discharges which includes bonding of equipment to ground. Provide safety shower in work area, if contact or splash hazard exists.

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 protection equipment with an organic vapour cartridge.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colourless liquid.	Physical State:	Liquid
Odour:	Sweet (Methyl ethyl ketone (MEK))	Odor Threshold:	2 - 85 ppm (Methyl ethyl ketone) (detection)
pH:	Not Applicable	Percent Volatile by Volume:	100%
Melting/Freezing Point:	-86.7 °C (-124.1 °F) (MEK) (freezing)	Boiling Range:	56.2 - 79.6 °C (133.2 - 175.3 °F) (estimated)
Initial Boiling Point/Range:	56.2 - 79.6 °C (133.2 - 175.3 °F) (estimated)	Evaporation Rate:	3.8 - 8.0 (estimated)
Flash Point:	-18 °C (0 °F) (closed cup) (estimated) (Acetone)	Flammability:	Category 2
Specific Gravity:	0.830 at 20 °C	Flammability Limits:	LEL: 2.5 - 12.8% based on Acetone UEL: 11.8% based on THF
Solubility:	Slightly soluble in water; Highly soluble in common organic solvents.	Vapor Pressure:	77.48 mm Hg (10.33 kPa) at 20 °C (MEK)
Partition Coefficient n-octanol/water:	Not Available	Vapor Density:	2.49 (Air = 1)
Auto-ignition Temperature:	Not Available	Other Data: Viscosity:	Not Available
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

Chemical Stability:	Normally stable.
Reactivity:	THF- Vapours may form explosive mixture with air.
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon and smoke.
Conditions to avoid:	High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.
Incompatible Materials:	Oxidizing agents (e.g. peroxides).

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact
Acute symptoms and effects:

Inhalation:	Symptoms/injuries after inhalation : EXPOSURE TO HIGH CONCENTRATIONS: Headache, Nausea, Feeling of weakness, Dizziness, Central nervous system depression, Narcosis, Mental confusion, Drunkenness, Coordination disorders, Disturbed motor response, Disturbances of consciousness.
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:	Risk of aspiration pneumonia, Nausea, Abdominal pain. Symptoms similar to those listed under inhalation.
Chronic (long-term) effects:	(THF) Category 2 Carcinogen
Chronic (long-term) effects (Toluene):	ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin, Skin rash/inflammation, Impairment of the nervous system, Tremor, Impaired memory, Impaired concentration, Brain affection, Disturbances of heart rate, Change in the haemogramme/blood composition.

Health Hazards Not Otherwise Classified: This material may cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated contact.

Aspiration Hazard (Toluene) Category 1 - May be fatal if swallowed and enters airways.

Toxicity:	LD50	LC50	Target Organs
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
Toluene	Oral: 2600 to 7500mg/kg (rat), Dermal 400 ppm	Inhalation 8000 ppm	STOT SE3
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs. 21,000 mg/m ³ (rat)	STOT SE3
Acetone	Oral: 5800 mg/kg (rat)	Inhalation 50,100 mg/m ³ (rat)	STOT SE3

Acute Toxicity

Methyl Ethyl Ketone (MEK)	Acute (Oral) Toxicity: None	Acute (Dermal) Toxicity: None	Acute (Inhalation) Toxicity: None
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Specific Target Exposure Toxicity (Single Exposure): Toluene: Category 3, May cause drowsiness or dizziness. Affected organs-nervous system via inhalation
Specific Target Exposure Toxicity (Repeated Exposure): Toluene: Category 2, May cause damage to organs - central nervous system via inhalation

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Toluene*	Not Established	Toluene*	Not Established	Not Established

DEVELOPMENTAL HAZARD: Toluene* May harm the unborn child based on animal information. Has been associated with: low birth weight or size, learning disabilities, hearing loss.

Carcinogenicity: (THF) Category 2

SECTION 12 - ECOLOGICAL INFORMATION
Ecotoxicity:

Acute Aquatic Toxicity	LC50 Fish	EC50 Crustacea	ErC50 Algae
	Pimephales promelas (fathead minnow); 96-hour	Daphnia magna (water flea); 48-hour	Desmodesmus subspicatus (algae); 72-hour; static
Methyl Ethyl Ketone	3200 mg/L	No Data Available	No Data Available
Toluene	5.44 mg/l - 7 d	11.5-19.6 mg/L	No Data Available
Tetrahydrofuran (THF)	2160 mg/L	No Data Available	No Data Available
Acetone	No Data Available	7630	No Data Available

Mobility in Soil: If released into the environment, this product can move rapidly through the soil.

Degradability: Does not degrade rapidly based on quantitative tests.

Bioaccumulation: This product and its degradation products are not known to bioaccumulate.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name:	Flammable Liquid	EXCEPTION for Ground Shipping
Hazard Class:	3	DOT Limited Quantity: Up to 1L per inner packaging, 30 kg gross weight per package.
Secondary Risk:	None	Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as ORM-D
Identification Number:	UN 1993	Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable
Packing Group:	PG II	TDG INFORMATION
Label Required:	Class 3 Flammable Liquid	TDG CLASS: FLAMMABLE LIQUID 3
Marine Pollutant:	NO	SHIPPING NAME: Flammable Liquid, n.o.s. (Acetone, Tetrahydrofuran)
Special Precautions :	Not Applicable	UN NUMBER/PACKING GROUP: UN 1993, PG II
WHMIS Class	B2 D2B	

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/TCCL, Japan MTI (ENCS)
Symbols:	F, Xi		
Risk Phrases:	R11: Highly flammable. R20: Harmful by inhalation. 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:	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. S46: If swallowed, seek medical advice immediately and show this container or label.	
Special Precautions:	Not applicable	USA Toxic Substances Control Act (TSCA) Section 8(b)	All ingredients are listed on the TSCA Inventory.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable	Domestic Substances List / Non-Domestic Substances List (DSL) / (NDSL)	All ingredients are listed on the DSL/NDSL.
Compliance Statement:	This SDS was prepared to be in accordance with: US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012) Canadian Workplace Hazardous Materials Information System (WHMIS) 2015		

SECTION 16 - OTHER INFORMATION

Specification Information:		
Department issuing data sheet:	IPS, Safety Health & Environmental Affairs	All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
E-mail address:	<EHSinfo@ipscorp.com>	
Training necessary:	Yes, training in practices and procedures contained in product literature.	
Reissue date / reason for reissue:	12/31/2019/ Updated GHS Standard Format	
Intended Use of Product:	Primer 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.