



SAFETY DATA SHEET

1. Identification

Product identifier Carlon Low-VOC 'Quick-Set' Solvent Cement for ENT and PVC Plastic Pipe

Other means of identification

SDS number SDS-00062-CA

Product code VC9992, VC9995C-RT

Recommended use Solvent.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name ABB Installation Products Inc

Address
860 Ridge Lake Blvd
Memphis, TN 38120
United States of America

Telephone 901-252-5000 ext.8324

Emergency telephone
INFOTRAC - 24 Hours
+1-800-535-5053
+1-352-323-3500 (Outside USA)

2. Hazard identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 2
	Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity - single exposure	Category 3 narcotic effects

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapour. Harmful if inhaled. Causes serious eye irritation. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wash thoroughly after handling. Avoid breathing mist/vapours. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response	IF exposed or concerned: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use foam, dry chemical powder, carbon dioxide to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	None.
Other hazards	None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Tetrahydrofuran		109-99-9	30 - 60
Acetone		67-64-1	10 - 30
Cyclohexanone		108-94-1	10 - 30
2-Butanone (Methyl ethyl ketone)		78-93-3	10 - 30
PVC Resin		9002-86-2	10 - 30

Composition comments	The exact concentrations of the above listed chemicals are being withheld as a trade secret. All concentrations are in percent by weight unless otherwise indicated.
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4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a poison centre or doctor/physician if you feel unwell.
Skin contact	Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. Material will float and may ignite on surface of water. May form explosive peroxides. During fire, gases hazardous to health may be formed such as: Carbon oxides. Hydrocarbons. Hydrogen chloride.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapour.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labelled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapours. Avoid contact with eyes. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	150 ppm	
	TWA	75 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
PVC Resin (CAS 9002-86-2)	TWA	1 mg/m3	Respirable fraction.
Tetrahydrofuran (CAS 109-99-9)	STEL	100 ppm	
	TWA	50 ppm	

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	885 mg/m3
		300 ppm
	TWA	590 mg/m3
Acetone (CAS 67-64-1)		200 ppm
	STEL	1800 mg/m3
	TWA	1200 mg/m3
Cyclohexanone (CAS 108-94-1)		500 ppm
	STEL	200 mg/m3
	TWA	80 mg/m3
Tetrahydrofuran (CAS 109-99-9)		20 ppm
	STEL	295 mg/m3
	TWA	147 mg/m3
		50 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	100 ppm	
	TWA	50 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
PVC Resin (CAS 9002-86-2)	TWA	1 mg/m3	Respirable.
Tetrahydrofuran (CAS 109-99-9)	STEL	100 ppm	
	TWA	50 ppm	

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	150 ppm	
	TWA	75 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
PVC Resin (CAS 9002-86-2)	TWA	1 mg/m3	Respirable fraction.
Tetrahydrofuran (CAS 109-99-9)	STEL	100 ppm	
	TWA	50 ppm	

Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
PVC Resin (CAS 9002-86-2)	TWA	1 mg/m3	Respirable fraction.
Tetrahydrofuran (CAS 109-99-9)	STEL	100 ppm	
	TWA	50 ppm	

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
PVC Resin (CAS 9002-86-2)	TWA	1 mg/m3	Respirable fraction.
Tetrahydrofuran (CAS 109-99-9)	STEL	100 ppm	
	TWA	50 ppm	

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 mg/m3
		100 ppm
	TWA	150 mg/m3
Acetone (CAS 67-64-1)		50 ppm
	STEL	500 ppm
	TWA	250 ppm
Cyclohexanone (CAS 108-94-1)	TWA	100 mg/m3
		25 ppm
Tetrahydrofuran (CAS 109-99-9)	TWA	300 mg/m3
		100 ppm

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	15 minute	300 ppm	
	8 hour	200 ppm	
Acetone (CAS 67-64-1)	15 minute	750 ppm	

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended

Components	Type	Value	Form
Cyclohexanone (CAS 108-94-1)	8 hour	500 ppm	
	15 minute	50 ppm	
PVC Resin (CAS 9002-86-2)	8 hour	20 ppm	
	15 minute	6 mg/m3	Respirable fraction.
		20 mg/m3	Inhalable fraction.
	8 hour	3 mg/m3	Respirable fraction.
Tetrahydrofuran (CAS 109-99-9)		10 mg/m3	Inhalable fraction.
	15 minute	100 ppm	
	8 hour	50 ppm	

Biological limit values

ACGIH Biological Exposure Indices (BEI)

Components	Value	Determinant	Specimen	Sampling Time
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	2 mg/l	MEK	Urine	*
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
Cyclohexanone (CAS 108-94-1)	80 mg/l	1,2-Cyclohexanediol, with hydrolysis	Urine	*
	8 mg/l	Cyclohexanol, with hydrolysis	Urine	*
Tetrahydrofuran (CAS 109-99-9)	2 mg/l	Tetrahydrofuran	Urine	*

* - For sampling details, please see the source document.

Exposure guidelines

Canada - Alberta OELs: Skin designation

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
Tetrahydrofuran (CAS 109-99-9)	Can be absorbed through the skin.

Canada - British Columbia OELs: Skin designation

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	Can be absorbed through the skin.
Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
Tetrahydrofuran (CAS 109-99-9)	Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	Danger of cutaneous absorption
Cyclohexanone (CAS 108-94-1)	Danger of cutaneous absorption
Tetrahydrofuran (CAS 109-99-9)	Danger of cutaneous absorption

Canada - New Brunswick OELs: Skin designation

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
Tetrahydrofuran (CAS 109-99-9)	Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
Tetrahydrofuran (CAS 109-99-9)	Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
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Canada - Saskatchewan OELs: Can be absorbed through the skin.

Cyclohexanone (CAS 108-94-1)	Can be absorbed through the skin.
Tetrahydrofuran (CAS 109-99-9)	Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	Danger of cutaneous absorption
Cyclohexanone (CAS 108-94-1)	Danger of cutaneous absorption
Tetrahydrofuran (CAS 109-99-9)	Danger of cutaneous absorption

Appropriate engineering controls	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Provide easy access to water supply and eye wash facilities.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear approved chemical safety goggles. Face shield is recommended.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Other suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Chemical respirator with organic vapour cartridge and full facepiece. Selection and use of respiratory protective equipment should be in accordance with CSA Standard Z94.4. Check with respiratory protective equipment suppliers.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Colour	Blue.
Odour	Ether-like.
Odour threshold	0.88 ppm
Melting point/freezing point	-108.5 °C (-163.3 °F)
Boiling point or initial boiling point and boiling range	56 °C (132.8 °F)
Flammability	Highly flammable liquid
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	1.8 %
Explosive limit – upper (%)	12.8 %
Flash point	-20 °C (-4 °F)
Auto-ignition temperature	Property has not been measured.
Decomposition temperature	Property has not been measured.
pH	Property has not been measured.
Kinematic viscosity	Property has not been measured.
Solubility	
Solubility (water)	Not soluble.
Partition coefficient (n-octanol/water) (log value)	Not applicable for mixtures.
Vapour pressure	190 mmHg
Density and/or relative density	
Relative density	0.935 (Water = 1)
Vapour density	2.5 (Air = 1)

Particle characteristics Not applicable, material is a liquid.

Other information

Explosive properties Not explosive.

Oxidising properties Not oxidising.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerisation does not occur.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Protect against direct sunlight. Contact with incompatible materials.

Incompatible materials Oxidizers. Acids. Bases.

Hazardous decomposition products Carbon oxides. Hydrocarbons. Hydrogen chloride.

11. Toxicological information

Information on likely routes of exposure

Inhalation Harmful if inhaled. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact Prolonged skin contact may cause temporary irritation. Components of the product may be absorbed into the body through the skin.

Eye contact Causes serious eye irritation.

Ingestion May cause discomfort if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity Harmful if inhaled.

Components	Species	Test Results
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2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)

Acute

Dermal

LD50	Rat	6400 mg/kg
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Inhalation

Vapour

LC50	Rat	34.5 mg/l, 4 Hours
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Oral

LD50	Rat	2600 mg/kg
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Acetone (CAS 67-64-1)

Acute

Dermal

LD50	Rabbit	> 15700 mg/kg, 24 Hours
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Inhalation

Vapour

LC50	Rat	76 mg/l, 4 Hours
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Oral

LD50	Rat	5800 mg/kg
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Cyclohexanone (CAS 108-94-1)

Acute

Dermal

LD50	Rabbit	948 mg/kg
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Components	Species	Test Results
Oral		
LD50	Rat	1296 mg/kg
Tetrahydrofuran (CAS 109-99-9)		
Acute		
Inhalation		
LC50	Rat	53.9 mg/l, 4 Hours
Oral		
LD50	Rat	1650 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitisation		
Respiratory sensitisation	Not a respiratory sensitiser.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Suspected of causing cancer.	
ACGIH Carcinogens		
Acetone (CAS 67-64-1)	A4 Not classifiable as a human carcinogen.	
Cyclohexanone (CAS 108-94-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
PVC Resin (CAS 9002-86-2)	A4 Not classifiable as a human carcinogen.	
Tetrahydrofuran (CAS 109-99-9)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Canada - Manitoba OELs: carcinogenicity		
Acetone (CAS 67-64-1)	Not classifiable as a human carcinogen.	
Cyclohexanone (CAS 108-94-1)	Confirmed animal carcinogen with unknown relevance to humans.	
PVC Resin (CAS 9002-86-2)	Not classifiable as a human carcinogen.	
Tetrahydrofuran (CAS 109-99-9)	Confirmed animal carcinogen with unknown relevance to humans.	
Canada - New Brunswick OELs: Carcinogen category		
Acetone (CAS 67-64-1)	A4: Not classifiable as a human carcinogen	
Cyclohexanone (CAS 108-94-1)	A3: Confirmed animal carcinogen	
PVC Resin (CAS 9002-86-2)	A4: Not classifiable as a human carcinogen	
Tetrahydrofuran (CAS 109-99-9)	A3: Confirmed animal carcinogen	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Cyclohexanone (CAS 108-94-1)	3 Not classifiable as to carcinogenicity to humans.	
PVC Resin (CAS 9002-86-2)	3 Not classifiable as to carcinogenicity to humans.	
Tetrahydrofuran (CAS 109-99-9)	2B Possibly carcinogenic to humans.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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Components		Species	Test Results
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	5091 mg/l, 48 Hours
Fish	LC50	Pimephales promelas	3220 mg/l, 96 Hours
Acetone (CAS 67-64-1)			
Aquatic			
Acute			
Crustacea	LC50	Daphnia pulex	8800 mg/l, 48 Hours
Fish	LC50	Pimephales promelas	7163 mg/l, 96 Hours
Chronic			
Crustacea	NOEC	Daphnia magna	> 79 mg/l, 21 days
Cyclohexanone (CAS 108-94-1)			
Aquatic			
Acute			
Fish	LC50	Pimephales promelas	527 mg/l, 96 Hours
Tetrahydrofuran (CAS 109-99-9)			
Aquatic			
Acute			
Crustacea	LC50	Daphnia magna	5930 mg/l, 24 Hours
Fish	LC50	Pimephales promelas	2160 mg/l, 96 Hours
Chronic			
Algae	NOEC	Scenedesmus quadricauda	3700 mg/l, 8 days

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)	
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	0.29
Acetone (CAS 67-64-1)	-0.24
Cyclohexanone (CAS 108-94-1)	0.81
Tetrahydrofuran (CAS 109-99-9)	0.46

Mobility in soil The product is insoluble in water. Expected to have low mobility in soil.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG	
UN number	UN1133
UN proper shipping name	ADHESIVES containing flammable liquid

Transport hazard class(es)**Class** 3**Subsidiary hazard** -**Packing group** II**Environmental hazards** No**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IATA****UN number** UN1133**UN proper shipping name** Adhesives containing flammable liquid**Transport hazard class(es)****Class** 3**Subsidiary hazard** -**Label(s)** 3**Packing group** II**Environmental hazards** No**ERG Code** 3L**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IMDG****UN number** UN1133**UN proper shipping name** ADHESIVES containing flammable liquid**Transport hazard class(es)****Class** 3**Subsidiary hazard** -**Packing group** II**Environmental hazards****Marine pollutant** No**EmS** F-E, S-D**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to** Not established.**Annex II of MARPOL 73/78 and
the IBC Code**

15. Regulatory information

Canadian regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.**Canada Controlled Drugs and Substances Act, Schedule I**

Not regulated.

Canada Controlled Drugs and Substances Act, Schedule II

Not regulated.

Canada Controlled Drugs and Substances Act, Schedule III

Not regulated.

Canada Controlled Drugs and Substances Act, Schedule IV

Not regulated.

Canada Controlled Drugs and Substances Act, Schedule V

Not regulated.

Canada Controlled Drugs and Substances Act, Schedule VI

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)

Acetone (CAS 67-64-1)

Canada Controlled Drugs and Substances Act, Schedule VII

Not regulated.

Canada Controlled Drugs and Substances Act, Schedule VIII

Not regulated.

Excluded VOCs. Guidelines for Volatile Organic Compounds in Consumer Products. CEPA 1999. Environment Canada

Acetone (CAS 67-64-1)

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)

Class B

Acetone (CAS 67-64-1)

Class B

International regulations**Stockholm Convention**

Not listed.

Rotterdam Convention

Not listed.

Kyoto Protocol

Not listed.

Montreal Protocol

Not listed.

Basel Convention

Cyclohexanone (CAS 108-94-1)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information**Issue date** 14-September-2017**Revision date** 03-March-2026**Version No.** 05**References** IARC Monographs. Overall Evaluation of Carcinogenicity

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