



SAFETY DATA SHEET

1. Identification

Product identifier	OCAL Spray Patch - Dark Gray
Other means of identification	
SDS number	SDS-00024-CA
Product code	SPRAY-G
Recommended use	Vinyl Resin Coating.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Company name	ABB Installation Products Inc.
Address	860 Ridge Lake Blvd. Memphis, TN 38120 USA
Telephone	901-252-5000 ext. 8324
Emergency telephone	CHEMTREC - 24 HOURS: +1-800-424-9300 (Toll-free) +1 703-741-5970

2. Hazard identification

Physical hazards	Flammable aerosols	Category 1
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity (inhalation)	Category 2
	Reproductive toxicity	Category 1A
	Aspiration hazard	Category 1

Label elements



Signal word	Danger
Hazard statement	Extremely flammable aerosol. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. May damage fertility or the unborn child. May be fatal if swallowed and enters airways.
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. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF exposed or concerned: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 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.
Storage	Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
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	%
Acetone		67-64-1	15 - 40
4-Methylpentan-2-one		108-10-1	10 - 30
Propane		74-98-6	10 - 30
Toluene		108-88-3	10 - 30
Diisononyl phthalate		28553-12 -0	1 - 5
2-Butanone (Methyl ethyl ketone)		78-93-3	1 - 5
Carbon black		1333-86-4	0.1 - 1
Titanium dioxide		13463-67-7	0.1 - 1

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 ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

4. First-aid measures

Inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

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

Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary oedema and pneumonitis. Headache. Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

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. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed such as: Carbon oxides. Toxic fumes.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions

In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. Fight fire from protected location or safe distance. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Extremely flammable aerosol. Contents under pressure. Pressurised container may explode when exposed to heat or flame.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours/spray. Avoid contact with eyes, skin, and clothing. Emergency personnel need self-contained breathing equipment. 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

Stop leak if you can do so without risk. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Prevent product from entering drains.

Pick up undamaged aerosol cans mechanically. Dike leaked material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water. Retain and dispose of contaminated wash water.

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

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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. Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded.

Do not breathe mist/vapours/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Mechanical ventilation or local exhaust ventilation may be required. Do not enter storage areas or confined spaces unless adequately ventilated. Use only outdoors or in a well-ventilated area. Oxygen concentration should not fall below 19.5 % at sea level (pO₂ = 135 mmHg). Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat, sparks and open flame. Store in original tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
4-Methylpentan-2-one (CAS 108-10-1)	STEL	75 ppm	
	TWA	20 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m ³	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	
Toluene (CAS 108-88-3)	TWA	20 ppm	

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

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	885 mg/m3 300 ppm
	TWA	590 mg/m3 200 ppm
4-Methylpentan-2-one (CAS 108-10-1)	STEL	307 mg/m3 75 ppm
	TWA	205 mg/m3 50 ppm
Acetone (CAS 67-64-1)	STEL	1800 mg/m3 750 ppm
	TWA	1200 mg/m3 500 ppm
Carbon black (CAS 1333-86-4)	TWA	3.5 mg/m3
Propane (CAS 74-98-6)	TWA	1000 ppm
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3
Toluene (CAS 108-88-3)	TWA	188 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	
4-Methylpentan-2-one (CAS 108-10-1)	STEL	75 ppm	
	TWA	20 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable
Titanium dioxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
Toluene (CAS 108-88-3)	TWA	20 ppm	

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

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
4-Methylpentan-2-one (CAS 108-10-1)	STEL	75 ppm	
	TWA	20 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.

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

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Toluene (CAS 108-88-3)	TWA	20 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
4-Methylpentan-2-one (CAS 108-10-1)	STEL	307 mg/m3	
		75 ppm	
	TWA	205 mg/m3	
		50 ppm	

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

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 ppm	
	TWA	200 ppm	
4-Methylpentan-2-one (CAS 108-10-1)	STEL	75 ppm	
	TWA	20 ppm	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
Toluene (CAS 108-88-3)	TWA	20 ppm	

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

Components	Type	Value	Form
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	STEL	300 mg/m3	
		100 ppm	
	TWA	150 mg/m3	
		50 ppm	
4-Methylpentan-2-one (CAS 108-10-1)	STEL	75 ppm	
Acetone (CAS 67-64-1)	STEL	2380 mg/m3	
		1000 ppm	
	TWA	1190 mg/m3	
		500 ppm	
Carbon black (CAS 1333-86-4)	TWA	3.5 mg/m3	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Total dust.
Toluene (CAS 108-88-3)	TWA	188 mg/m3	
		50 ppm	

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

Components	Type	Value
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	15 minute	300 ppm
	8 hour	200 ppm
4-Methylpentan-2-one (CAS 108-10-1)	15 minute	75 ppm
	8 hour	50 ppm
Acetone (CAS 67-64-1)	15 minute	750 ppm
	8 hour	500 ppm
Carbon black (CAS 1333-86-4)	15 minute	7 mg/m ³
	8 hour	3.5 mg/m ³
Propane (CAS 74-98-6)	15 minute	1250 ppm
	8 hour	1000 ppm
Titanium dioxide (CAS 13463-67-7)	15 minute	20 mg/m ³
	8 hour	10 mg/m ³
Toluene (CAS 108-88-3)	15 minute	60 ppm
	8 hour	50 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)	2 mg/l	MEK	Urine	*
4-Methylpentan-2-one (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
Toluene (CAS 108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03 mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

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

Exposure guidelines

Canada - Alberta OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

Canada - Quebec OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

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. Provide easy access to water supply and eye wash facilities.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Nitrile, butyl rubber or neoprene gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

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. Wear respiratory protection with combination filter (dust and gas filter) during spraying operations. 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

Appearance

Physical state Liquid.

Form Aerosol.

Colour Dark grey.

Odour Solvent.

Odour threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Extremely flammable aerosol.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) 1 %

Explosive limit – upper (%) 10 %

Vapour pressure Not available.

Vapour density Not available.

Relative density 0.8 (Water=1)

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not applicable for mixtures.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidising properties Not oxidising.

VOC 4.15 lb/gal (less exempt)

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 No dangerous reaction known under conditions of normal use.

Conditions to avoid Contents under pressure. Do not puncture. Protect against direct sunlight. Avoid heat, sparks, open flames and other ignition sources. In a fire or if heated, a pressure increase will occur and the container may burst or explode. Contact with incompatible materials.

Incompatible materials Strong oxidising agents.

Hazardous decomposition products

Decomposition is not expected under normal conditions of use and storage. Thermal decomposition of this product can generate carbon monoxide and carbon dioxide. Toxic fumes.

11. Toxicological information**Information on likely routes of exposure**

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics

Aspiration may cause pulmonary oedema and pneumonitis. Headache. Dizziness. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)		
<u>Acute</u>		
Dermal		
LD50	Rat	6400 mg/kg
Inhalation		
<i>Vapour</i>		
LC50	Rat	34.5 mg/l, 4 Hours
Oral		
LD50	Rat	2600 mg/kg
4-Methylpentan-2-one (CAS 108-10-1)		
<u>Acute</u>		
Inhalation		
LC50	Rat	2000 - 4000 ppm, 4 Hours
Acetone (CAS 67-64-1)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 15700 mg/kg, 24 Hours
Inhalation		
<i>Vapour</i>		
LC50	Rat	76 mg/l, 4 Hours
Oral		
LD50	Rat	5800 mg/kg
Carbon black (CAS 1333-86-4)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 3000 mg/kg
Oral		
LD50	Rat	> 8000 mg/kg
Titanium dioxide (CAS 13463-67-7)		
<u>Acute</u>		
Oral		
LD50	Rat	> 5000 mg/kg
Toluene (CAS 108-88-3)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12200 mg/kg

Components	Species	Test Results
Inhalation		
<i>Vapour</i>		
LC50	Rat	28.1 mg/l, 4 Hours
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitisation		
Canada - Alberta OELs: Irritant		
Titanium dioxide (CAS 13463-67-7)	Irritant	
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		
4-Methylpentan-2-one (CAS 108-10-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Acetone (CAS 67-64-1)	A4 Not classifiable as a human carcinogen.	
Carbon black (CAS 1333-86-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Titanium dioxide (CAS 13463-67-7)	A4 Not classifiable as a human carcinogen.	
Toluene (CAS 108-88-3)	A4 Not classifiable as a human carcinogen.	
Canada - Manitoba OELs: carcinogenicity		
4-Methylpentan-2-one (CAS 108-10-1)	Confirmed animal carcinogen with unknown relevance to humans.	
Acetone (CAS 67-64-1)	Not classifiable as a human carcinogen.	
Carbon black (CAS 1333-86-4)	Confirmed animal carcinogen with unknown relevance to humans.	
Titanium dioxide (CAS 13463-67-7)	Not classifiable as a human carcinogen.	
Toluene (CAS 108-88-3)	Not classifiable as a human carcinogen.	
Canada - Quebec OELs: Carcinogen category		
4-Methylpentan-2-one (CAS 108-10-1)	Detected carcinogenic effect in animals.	
Carbon black (CAS 1333-86-4)	Detected carcinogenic effect in animals.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
4-Methylpentan-2-one (CAS 108-10-1)	2B Possibly carcinogenic to humans.	
Carbon black (CAS 1333-86-4)	2B Possibly carcinogenic to humans.	
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
Toluene (CAS 108-88-3)	3 Not classifiable as to carcinogenicity to humans.	
US. National Toxicology Program (NTP) Report on Carcinogens		
Carbon black (CAS 1333-86-4)	Known To Be Human Carcinogen.	
Reproductive toxicity	May damage fertility or the unborn child.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	

12. Ecological information

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
2-Butanone (Methyl ethyl ketone) (CAS 78-93-3)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna
		5091 mg/l, 48 Hours
Fish	LC50	Pimephales promelas
		3220 mg/l, 96 Hours

Components	Species		Test Results
Acetone (CAS 67-64-1)			
Aquatic			
<i>Acute</i>			
Crustacea	LC50	Daphnia pulex	8800 mg/l, 48 Hours
Fish	LC50	Pimephales promelas	7163 mg/l, 96 Hours
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	> 79 mg/l, 21 days
Carbon black (CAS 1333-86-4)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Leuciscus idus	> 1000 mg/l, 96 Hours
Titanium dioxide (CAS 13463-67-7)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	> 100 mg/l, 48 Hours
Fish	LL50	Oryzias latipes	> 100 mg/l, 96 Hours
Toluene (CAS 108-88-3)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	11.5 mg/l, 48 hours
Fish	LC50	Oncorhynchus kisutch	5.5 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	NOEC	Ceriodaphnia dubia	0.74 mg/l, 7 days
Fish	NOEC	Oncorhynchus kisutch	1.4 mg/l, 40 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
4-Methylpentan-2-one (CAS 108-10-1)	1.31
Acetone (CAS 67-64-1)	-0.24
Toluene (CAS 108-88-3)	2.73

Mobility in soil No data available for this product.

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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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 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 (see: Disposal instructions).

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	UN1950
UN proper shipping name	AEROSOLS, flammable

Transport hazard class(es)**Class** 2.1**Subsidiary risk** -**Packing group** -**Environmental hazards** No**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IATA****UN number** UN1950**UN proper shipping name** Aerosols, flammable**Transport hazard class(es)****Class** 2.1**Subsidiary risk** -**Label(s)** 2.1**Packing group** -**Environmental hazards** No**ERG Code** 10L**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**IMDG****UN number** UN1950**UN proper shipping name** AEROSOLS, flammable**Transport hazard class(es)****Class** 2**Subsidiary risk** -**Packing group** -**Environmental hazards****Marine pollutant** No**EmS** F-D, S-U**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. Excluded VOCs. Guidelines for Volatile Organic Compounds in Consumer Products. CEPA 1999. Environment Canada, as amended

Acetone (CAS 67-64-1)

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Acetone (CAS 67-64-1)

Toluene (CAS 108-88-3)

Precursor Control Regulations

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

Acetone (CAS 67-64-1) Class B

Toluene (CAS 108-88-3) Class B

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

4-Methylpentan-2-one (CAS 108-10-1)

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)	Yes
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** 06-January-2022**Revision date** -**Version No.** 01

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