REVvive by RSG Zinc Weld-Thru Primer

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 04-17-2018 Revision date: 08-21-2018 Supersedes: 06-27-2018 Version: 1.2

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Trade name : REVvive by RSG Zinc Weld-Thru Primer

Product group : Aerosol

Other means of identification : UPC - 66623391000

1.2. Recommended use and restrictions on use

Recommended use : For professional use only

1.3. Supplier

Canada
Saint-Gobain Canada, Inc.
28 Albert Street, W.
N0J 1SO Plattsville, ON
T 519-684-7441
www.Nortonabrasives.com

United States
Saint-Gobain Abrasives Inc
1 New Bond Street
01615 Worcester, MA
T 800-551-4413
www.Nortonabrasives.com

1.4. Emergency telephone number

Emergency number : 508-795-5000. For emergencies in Canada, call CHEMTREC: 800-424-9300

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Flammable aerosol Category 1	H222
Serious eye damage/eye irritation Category 1	H318
Carcinogenicity Category 2	H351
Specific target organ toxicity (single exposure) Category 3	H336
Hazardous to the aquatic environment - Chronic Hazard Category 2	H411

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labeling

Hazard pictograms (GHS-CA) :

Signal word (GHS-CA) : Danger

Hazard statements (GHS-CA) : H222 - Extremely flammable aerosol
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 - Do not pierce or burn, even after use.
P261 - Avoid breathing fume, spray, vapors.
P280 - Wear eye protection, protective gloves, protective clothing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
acetone	2-propanon / 2-propanone / acetone / acetone NF / acetone oil / AI3-01238 / Caswell No.004 / chevron acetone / dimethyl formaldehyde / dimethyl ketone / dimethylketal / Dimethylketon / DMK (=dimethyl ketone) / FEMA No 3326 / ketone propane / KTI acetone / methyl acetyl / pyroacetic acid / pyroacetic ether / pyroacetic spirit / STEC 4908105	(CAS-No.) 67-64-1	15 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
1-butanol	1-butanol / 1-butyl alcohol / 1-hydroxy butane / alcohol C4 / butan-1-ol / butanol / butyl alcohol / butyl hydroxide / butyric alcohol / butyric alcohol, n- / butyric alcohol, normal- / CCS203 / FEMA No 2178 / hemostyp / methyl ethyl carbinol / methylol propane / n-butan-1-ol / n-butanol / n-butyl alcohol / n-butyric alcohol / normal primary butyl alcohol / normal-butan-1-ol / normal-butanol / normal-butyl alcohol / normal-butyric alcohol / normal-propyl carbinol / n-prim butyl alcohol / n-propyl carbinol / primary-normal-butyl alcohol / prim-n-butyl alcohol / propyl carbinol / propyl methanol	(CAS-No.) 71-36-3	5 - 7	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336
1-methoxy-2-propanol, monopropylene glycol methyl ether	(+/-)-1-methoxy-2-propanol / 1-methoxy-2-hydroxypropane / 1-methoxy-2-propanol / 1-methoxy-2-propanol, (+/-)- / 1-methoxypropan-2-ol / 1-methoxypropanol-2 / 2-methoxy-1-methylethanol / 2-propanol, 1-methoxy- / alpha-propylene glycol 1-methyl ether / alpha-propylene glycol monomethyl ether / dowanol 33B / dowanol PM / dowanol PM glycol ether / dowanol PM-E glycol ether / dowtherm 209 / glycol ether PM / methoxy ether of propyleneglycol / methoxyisopropanol / methyl ether of propylene glycol / monoethyl ether of propylene glycol / monopropylene glycol methyl ether / MP-S / PGME (= propylene glycol monomethyl ether) / poly-solve MPM / propasol solvent M / propylene glycol methyl ether / propylene glycol monomethyl ether / UCAR PM solvent / UCAR solvent LM / UCAR triol HG-170	(CAS-No.) 107-98-2	3 - 7	Flam. Liq. 3, H226 STOT SE 3, H336
ethylbenzene	ethylbenzene benzene, ethyl- / ethylbenzene / ethylbenzene, anhydrous / phenylethane	(CAS-No.) 100-41-4	0.1 - 0.5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after eye contact : Serious damage to eyes.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurized container: may burst if heated.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.2. Methods and materials for containment and cleaning up

For containment : Contain released product, pump into suitable containers. Collect spillage.

Methods for cleaning up : Notify authorities if product enters sewers or public waters. Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. 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. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing vapors, spray, fume. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Storage temperature : < 25 °C

Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acetone (67-64-1)		
USA - ACGIH	ACGIH TWA (ppm)	250 ppm
USA - ACGIH	ACGIH STEL (ppm)	500 ppm
USA - ACGIH	Remark (ACGIH)	eye irr; CNS impair; BEI
USA - ACGIH	Regulatory reference	ACGIH 2018
USA - OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
USA - OSHA	Regulatory reference (US-OSHA)	OSHA
Alberta	OEL STEL (ppm)	500 ppm
Alberta	OEL TWA (ppm)	250 ppm
Alberta	Notations and remarks	eye irr; CNS impair; BEI
British Columbia	OEL STEL (ppm)	500 ppm
British Columbia	OEL TWA (ppm)	250 ppm
British Columbia	Notations and remarks	eye irr; CNS impair; BEI
Manitoba	OEL STEL (ppm)	500 ppm

acetone (67-64-1)		
Manitoba	OEL TWA (ppm)	250 ppm
Manitoba	Notations and remarks	eye irr; CNS impair; BEI
New Brunswick	OEL STEL (ppm)	500 ppm
New Brunswick	OEL TWA (ppm)	250 ppm
New Brunswick	Notations and remarks	eye irr; CNS impair; BEI
New Foundland & Labrador	OEL STEL (ppm)	500 ppm
New Foundland & Labrador	OEL TWA (ppm)	250 ppm
New Foundland & Labrador	Notations and remarks	eye irr; CNS impair; BEI
Nova Scotia	OEL STEL (ppm)	500 ppm
Nova Scotia	OEL TWA (ppm)	250 ppm
Nova Scotia	Notations and remarks	eye irr; CNS impair; BEI
Nunavut	OEL STEL (ppm)	500 ppm
Nunavut	OEL TWA (ppm)	250 ppm
Nunavut	Notations and remarks	eye irr; CNS impair; BEI
Northwest Territories	OEL STEL (ppm)	500 ppm
Northwest Territories	OEL TWA (ppm)	250 ppm
Northwest Territories	Notations and remarks	eye irr; CNS impair; BEI
Prince Edward Island	OEL STEL (ppm)	500 ppm
Prince Edward Island	OEL TWA (ppm)	250 ppm
Prince Edward Island	Notations and remarks	eye irr; CNS impair; BEI
Saskatchewan	OEL STEL (ppm)	750 ppm
Saskatchewan	OEL TWA (ppm)	500 ppm

ethylbenzene (100-41-4)		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
USA - ACGIH	Regulatory reference	ACGIH 2018
USA - OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA - OSHA	Regulatory reference (US-OSHA)	OSHA
Saskatchewan	OEL STEL (ppm)	125 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm
Saskatchewan	Notations and remarks	T20

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	100 ppm
USA - ACGIH	Remark (ACGIH)	Eye irr; CNS impair; A4 (Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories)
USA - ACGIH	Regulatory reference	ACGIH 2018
Saskatchewan	OEL STEL (ppm)	150 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm

1-butanol (71-36-3)		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	Remark (ACGIH)	Eye & URT irr
USA - ACGIH	Regulatory reference	ACGIH 2018

1-butanol (71-36-3)		
USA - OSHA	OSHA PEL (TWA) (mg/m³)	300 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA - OSHA	Regulatory reference (US-OSHA)	OSHA
Alberta	OEL TWA (ppm)	20 ppm
Alberta	Notations and remarks	Eye & URT irr
British Columbia	OEL TWA (ppm)	20 ppm
British Columbia	Notations and remarks	Eye & URT irr
Manitoba	OEL TWA (ppm)	20 ppm
Manitoba	Notations and remarks	Eye & URT irr
New Brunswick	OEL TWA (ppm)	20 ppm
New Brunswick	Notations and remarks	Eye & URT irr
New Foundland & Labrador	OEL TWA (ppm)	20 ppm
New Foundland & Labrador	Notations and remarks	Eye & URT irr
Nova Scotia	OEL TWA (ppm)	20 ppm
Nova Scotia	Notations and remarks	Eye & URT irr
Nunavut	OEL TWA (ppm)	20 ppm
Nunavut	Notations and remarks	Eye & URT irr
Northwest Territories	OEL TWA (ppm)	20 ppm
Northwest Territories	Notations and remarks	Eye & URT irr
Prince Edward Island	OEL TWA (ppm)	20 ppm
Prince Edward Island	Notations and remarks	Eye & URT irr
Saskatchewan	OEL STEL (ppm)	30 ppm
Saskatchewan	OEL TWA (ppm)	20 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance	:	Aerosol.
Color	:	Metallic Silver
Odor	:	There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Petroleum-like odour Sweet odour Aromatic odour Pleasant odour Irritating/pungent odour Alcohol odour Mild odour Odourless Fruity odour Ether-like odour
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Extremely flammable aerosol
Vapor pressure	:	No data available
Vapor pressure at 50 °C	:	No data available
Relative density	:	No data available
Specific gravity / density	:	0.799 g/cm³
Solubility	:	Immiscible with water. soluble in most organic solvents.
Log Pow	:	No data available
Explosive properties	:	Pressurized container: may burst if heated.
Explosion limits	:	No data available

9.2. Other information

VOC content	:	708 g/l
MIR	:	1
Gas group	:	Press. Gas (Liq.)

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	:	Extremely flammable aerosol. Pressurized container: may burst if heated.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours))
ATE CA (oral)	5800 mg/kg body weight
ATE CA (dermal)	20000 mg/kg body weight
ATE CA (vapours)	76 mg/l/4h
ATE CA (dust,mist)	76 mg/l/4h

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male/female, Experimental value, Oral)
LD50 dermal rabbit	15432 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))

ethylbenzene (100-41-4)	
ATE CA (oral)	3500 mg/kg body weight
ATE CA (dermal)	15432 mg/kg body weight
ATE CA (gases)	4500 ppmV/4h
ATE CA (vapours)	17.8 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LD50 oral rat	4016 mg/kg body weight (EU Method B.1 tris: Acute oral toxic – Acute toxic class method, Rat, Male/female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (Other, 24 h, Rat, Male/female, Experimental value, Dermal)
ATE CA (oral)	4016 mg/kg body weight

1-butanol (71-36-3)	
LD50 oral rat	2292 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	3430 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal)
ATE CA (oral)	500 mg/kg body weight
ATE CA (dermal)	3430 mg/kg body weight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : May cause drowsiness or dizziness.

acetone (67-64-1)	
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Specific target organ toxicity – single exposure	May cause drowsiness or dizziness.

1-butanol (71-36-3)	
Specific target organ toxicity – single exposure	May cause respiratory irritation. May cause drowsiness or dizziness.

: Not classified

Specific target organ toxicity – repeated exposure

ethylbenzene (100-41-4)	
Specific target organ toxicity – repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

REVvive by RSG Zinc Weld-Thru Primer	
Vaporizer	Aerosol

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after eye contact : Serious damage to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Aquatic acute : Not classified

Aquatic chronic : Toxic to aquatic life with long lasting effects.

acetone (67-64-1)	
LC50 fish 1	5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 96h algae [mg/l] (1)	> 7000 mg/l (Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration)

acetone (67-64-1)	
BCF fish 1	0.69 (Pisces)
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)
Log Pow	-0.24 (Test data)

ethylbenzene (100-41-4)	
LC50 fish 1	4.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Salmo gairdneri, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1	1.8 - 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h algae [mg/l] 1	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
BCF fish 1	1 - 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Log Pow	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Log Koc	2.71 (log Koc, PCKOCWIN v1.66, QSAR)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LC50 fish 1	>= 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
ErC50 (algae)	> 1000 mg/l (Other, 168 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF fish 1	1 (Pimephales promelas)
Log Pow	< 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C)

1-butanol (71-36-3)	
LC50 fish 1	1376 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	1328 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 96h algae [mg/l] (1)	225 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF other aquatic organisms 1	3.16 (BCFWIN, Calculated value)
Log Pow	1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Log Koc	0.388 (log Koc, PCKOCWIN v1.66, Calculated value)

12.2. Persistence and degradability

acetone (67-64-1)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.43 g O_2/g substance
Chemical oxygen demand (COD)	1.92 g O_2/g substance
ThOD	2.2 g O_2/g substance
BOD (% of ThOD)	0.872 (20 day(s), Literature study)

ethylbenzene (100-41-4)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O_2/g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O_2/g substance
ThOD	3.17 g O_2/g substance

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
ThOD	1.95 g O_2/g substance

1-butanol (71-36-3)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.1 - 1.92 g O_2/g substance
Chemical oxygen demand (COD)	2.46 g O_2/g substance
ThOD	2.59 g O_2/g substance
BOD (% of ThOD)	0.33 - 0.79

12.3. Bioaccumulative potential

acetone (67-64-1)	
Bioaccumulative potential	Not bioaccumulative.
BCF fish 1	0.69 (Pisces)
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)
Log Pow	-0.24 (Test data)

ethylbenzene (100-41-4)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF fish 1	1 - 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Log Pow	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Log Koc	2.71 (log Koc, PCKOCWIN v1.66, QSAR)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Bioaccumulative potential	Not bioaccumulative.
BCF fish 1	1 (Pimephales promelas)
Log Pow	< 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C)

1-butanol (71-36-3)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BCF other aquatic organisms 1	3.16 (BCFWIN, Calculated value)
Log Pow	1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Log Koc	0.388 (log Koc, PCKOCWIN v1.66, Calculated value)

12.4. Mobility in soil

acetone (67-64-1)	
Surface tension	0.0237 N/m
Ecology - soil	No (test)data on mobility of the substance available.
Log Pow	-0.24 (Test data)

ethylbenzene (100-41-4)	
Surface tension	0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.
Log Koc	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Log Pow	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Surface tension	0.0707 N/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Low potential for adsorption in soil.
Log Pow	< 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C)

1-butanol (71-36-3)	
Surface tension	0.07 N/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation.
Log Koc	0.388 (log Koc, PCKOCWIN v1.66, Calculated value)
Log Pow	1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG) : UN1950

TDG Primary Hazard Classes : 2.1 - Class 2.1 - Flammable Gas.

Transport document description	:	UN1950 AEROSOLS (flammable), 2.1
Proper Shipping Name (Transportation of Dangerous Goods)	:	AEROSOLS flammable
Hazard labels (TDG)	:	2.1 - Flammable gases

TDG Special Provisions	:	80 - Despite section 1.17 of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with section 5.11 of Part 5, Means of Containment, except that the requirement for aerosol containers to be tightly packed in a wood, fibreboard or plastic box does not apply to a user or purchaser who transports no more than six aerosol containers. For a similar rule respecting aerosol containers, see subparagraph 1.15(1)(a)(i) of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases. SOR/2012-245 107 - (1)These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2, (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a ship on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2)Subsection (1) does not apply to self-defence spray. SOR/2014-306
Explosive Limit and Limited Quantity Index	:	1 L
Excepted quantities (TDG)	:	E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	75 L
Marine pollutant	:	Yes (IMDG only)

14.2. Transport information/DOT

Department of Transport

DOT NA no.	:	UN1950
UN-No.(DOT)	:	1950
Transport document description	:	UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1
Proper Shipping Name (DOT)	:	Aerosols flammable, (each not exceeding 1 L capacity)
Contains Statement Field Selection (DOT)	:	
Class (DOT)	:	2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
Division (DOT)	:	2.1
Hazard labels (DOT)	:	2.1 - Flammable gas

Dangerous for the environment	:	Yes
Marine pollutant	:	Yes

DOT Special Provisions (49 CFR 172.102)	:	N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	306
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	None
DOT Packaging Bulk (49 CFR 173.xxx)	:	None

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	150 kg
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	25 - Shade from radiant heat,87 - Stow ‘‘separated from’’ Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials
Other information	:	No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	:	1950
Proper Shipping Name (IMDG)	:	AEROSOLS
Transport document description (IMDG)	:	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Class (IMDG)	:	2 - Gases

IATA

UN-No. (IATA)	:	1950
Proper Shipping Name (IATA)	:	Aerosols, flammable
Transport document description (IATA)	:	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS
Class (IATA)	:	2

SECTION 15: Regulatory information

15.1. National regulations

acetone (67-64-1)
Listed on the Canadian DSL (Domestic Substances List)

ethylbenzene (100-41-4)
Listed on the Canadian DSL (Domestic Substances List)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)
Listed on the Canadian DSL (Domestic Substances List)

1-butanol (71-36-3)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

acetone (67-64-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

ethylbenzene (100-41-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

1-butanol (71-36-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor	:	None
Date of issue	:	04-17-2018
Revision date	:	08-21-2018
Supersedes	:	06-27-2018

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	

Full text of H-phrases:

H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways

H315	Causes skin irritation
H318	Causes serious eye damage
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
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

SDS Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product