SYSTEM 20 HIGH BUILD PRIMER GRAY 2.1 VOC (4:1)

Safety Data Sheet

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

Issue date: 10-18-2017 Revision date: 09-18-2019 Supersedes: 08-13-2019 Version: 3.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Trade name : SYSTEM 20 HIGH BUILD PRIMER GRAY 2.1 VOC (4:1)

Product code : S2025V/1, S2025V/G-US

UP Number UP2251V, UP2253V

Product group : 2K Primer

1.2. Recommended use and restrictions on use

Recommended use : Primer

Restrictions on use : Consumer uses: Private households (= general public = consumers)

1.3. Supplier

U-POL Canada Limited
P.O. Box P.O. BOX 48600
BC V7X 1T2 Vancouver - Canada
T 1-800-424-9300
technicalsupport@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids Category 2	H225
Serious eye damage/eye irritation Category 2	H319
Carcinogenicity Category 2	H351
Specific target organ toxicity (repeated exposure) Category 2	H373

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) : H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS CA) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P260 - Do not breathe vapors, spray, fume.
P264 - Wash hands thoroughly after handling.
P280 - Wear face protection, protective gloves, protective clothing.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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+P313 - IF exposed or concerned: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use dry sand, extinguishing powder, foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up.
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

2.4. Unknown acute toxicity (GHS CA)

4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
talc	agalite / agi talc,BC / alpine talc USP, BC127 / alpine talc USP, BC141 / alpine talc USP, BC662 / B 13 / B 13,mineral / B 9(=talc) / beaver white 200 / beaver white 325 / blueline 200, talc / C.I. 77718 / ceramitalc / ceramitalc 10-A / ceramitalc HDT / ceramitalc no 1 / chematalc 10M, Incemin AG / cimflex 606 / circron MP / CP 10-40 / CP 38-33 / crown talc w83 / crown talc Z / crystalite CRS 6002 / CT 8 (mineral) / cubic master / desertalc 57 / desertall 57 / E 3410 / emtal 500 / emtal 549 / emtal 596 / emtal 599 / EX-IT / fibrene C400 / finntalc C10 / finntalc M05 / finntalc M15 / finntalc P40 / finntalc PF / french chalk / FW-XO / grade steamic OOS / hydrated magnesium silicate / hydrous magnesium silicate / IT extra / LMR 100 / LO micron talc 1 / LO micron talc BC1621 / LO micron talc USP, BC2755 / luzenac 10MOOS / luzenac 1445 / luzenac 20MOOS / luzenac A7 / luzenac M20 / luzenac OXO / luzenac SE MICRO / luzenac steam OOS / luzenac steamic OOS / magnesium silicate (3:4) / magnesium silicate, hydrate / magnesiumsilicate, hydrous / metro / metro talc 4604 / metro talc 4608 / metro talc 4609 / micro ACE K1 / micro ACE L1 / micron white 5000A / micron white 5000P / micron white 5000S / microtalco IT extra / mistron 139 / mistron 2SC / mistron frost P / mistron RCS / mistron star / mistron super frost / mistron vapor / mistron vapor RP6 / MP 12-50 / MP 25-38 / MP 40-27 / MP 45-26 / MP50-30 U16558lc / MST / mussolinite / naintsch A-7 / naintsch A-7C / nicron / nicron 100 compact, talc / nicron 100pwdr, talc / nicron JS322, talc / no 907 metro talc / non-asbestiform talc / nonfibrous talc / nytal / nytal 100 / nytal 100HR / nytal 200 / nytal 300 / nytal 300H / nytal 400 / nytal 99 / OOS / OXO / P 3 / P 3, mineral / PK-C / PK-N / polytal 4641 / polytal 4725 / purtalc USP / SCLEROSOL / secupur antibloc / secupur nucleating / sierra C-400 / sierra mistron vapor compact,talc / sierra supreme USP, talc / silica acid, magnesium salt (4:3) / silica, talc, non asbestos / silicate:talc, containing no asbestos / silverline 200,talc / snowgoose / steamic OOS / steaplast 8502 / steawhite / sterline 400 / supreme / supreme dense / supreme, talc / talc (Mg3-H2-(SiO3)4) / Talc (Mg3H2(SiO3)4) / talc (powder), containing no asbestos fibers / talc lubricant / talc U.S.P. / talc, (industrial) / talc, non-asbestiform and less than 1% crystalline silica / talc, not containing asbestiform fibres / talc, not contaminated with more than 1% crystalline silica,asbestos fibres or asbestiform fibres / talc, powder / talcan PK-P / talcron CP44-31 / talcum / TDMCG-95, talc / tital 10, INCEMIN AG / tital 15 / trimagnesium tetrasiliscate / TY 80 / WESTMIN-EF66	(CAS-No.) 14807-96-6	13 – 15	Carc. 2, H351

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
acetone	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 / methylketon / propan-2-one / propanone / pyroacetic acid / pyroacetic ether / pyroacetic spirit / STEC 4908105	(CAS-No.) 67-64-1	10 – 13	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
reaction mass of ethylbenzene, m-xylene and p-xylene			1.5 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
n-butyl acetate	n-butyl acetate 1-acetoxybutane / 1-butyl acetate / acetate of butyl / acetic acid n-butyl ester / acetic acid normal-butyl ester / acetic acid, butyl ester / BUAC / BuAc (=butyl acetate) / butanolacetate / butyl acetate / butyl ethanoate / n-BuAc / n-butyl acetate / normal-butylacetate / normal-butylethanoate	(CAS-No.) 123-86-4	1 – 5	Flam. Liq. 3, H226 STOT SE 3, H336
hydrocarbons, C9, aromatics		(CAS-No.) 64742-95-6	1 – 5	Flam. Liq. 3, H226 Acute Tox. 2 (Dermal), H310 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Xylene	AMSCO / benzene, dimethyl- / byk 310 / dimethylbenzene, mixture of isomers / dimethylbenzol, mixture of isomers / formula No 00651 / mebon thinner type 2 / methyltoluene, mixture of isomers / mixed xylenes / paint / solvent xylene / violet 3 / xylene / xylene, mixed isomers, pure / xylol / xylol, mixture of isomers	(CAS-No.) 1330-20-7	1.5 – 3	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
ethylbenzene	benzene, ethyl- / ethylbenzene / ethylbenzene, anhydrous / phenylethane	(CAS-No.) 100-41-4	0.5 – 1	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 : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

First-aid measures after eye contact : 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.

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 after eye contact : Eye irritation.

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

5.3. Specific hazards arising from the hazardous product

Fire hazard : Highly flammable liquid and vapor.

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

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

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 : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Do not breathe vapors, spray, fume.

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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature : < 25 °C

Storage area : Keep container in a well-ventilated place.

Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acetone (67-64-1)		
Canada (Quebec)	VECD (OEL STEL)	2380 mg/m³
Canada (Quebec)	VECD (OEL STEL) [ppm]	1000 ppm
Canada (Quebec)	VEMP (OEL TWA)	1190 mg/m³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	500 ppm
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL	1800 mg/m³
Alberta	OEL STEL [ppm]	750 ppm
Alberta	OEL TWA	1200 mg/m³
Alberta	OEL TWA [ppm]	500 ppm
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL STEL [ppm]	500 ppm
British Columbia	OEL TWA [ppm]	250 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL STEL [ppm]	500 ppm
Manitoba	OEL TWA [ppm]	250 ppm

acetone (67-64-1)		
Manitoba	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL STEL [ppm]	500 ppm
New Brunswick	OEL TWA [ppm]	250 ppm
New Brunswick	Notations and remarks	eye irr; CNS impair; BEI
Newfoundland & Labrador	OEL STEL [ppm]	500 ppm
Newfoundland & Labrador	OEL TWA [ppm]	250 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL STEL [ppm]	500 ppm
Nova Scotia	OEL TWA [ppm]	250 ppm
Nova Scotia	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	750 ppm
Nunavut	OEL TWA [ppm]	500 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	750 ppm
Northwest Territories	OEL TWA [ppm]	500 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL STEL [ppm]	500 ppm
Ontario	OEL TWA [ppm]	250 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL [ppm]	500 ppm
Prince Edward Island	OEL TWA [ppm]	250 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	750 ppm
Saskatchewan	OEL TWA [ppm]	500 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

ethyl 3-ethoxypropionate (763-69-9)		
Ontario	OEL TWA	300 mg/m³
Ontario	OEL TWA [ppm]	50 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833

n-butyl acetate (123-86-4)		
Canada (Quebec)	VECD (OEL STEL) [ppm]	150 ppm
Canada (Quebec)	VEMP (OEL TWA) [ppm]	50 ppm
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL	950 mg/m³
Alberta	OEL STEL [ppm]	200 ppm
Alberta	OEL TWA	713 mg/m³
Alberta	OEL TWA [ppm]	150 ppm
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.

n-butyl acetate (123-86-4)		
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL STEL [ppm]	150 ppm
British Columbia	OEL TWA [ppm]	50 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL STEL [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	50 ppm
Manitoba	Notations and remarks	TLV® Basis: Eye & URT irr
Manitoba	Regulatory reference	ACGIH
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Newfoundland & Labrador	OEL TWA [ppm]	50 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Eye & URT irr
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL TWA [ppm]	50 ppm
Nova Scotia	Notations and remarks	TLV® Basis: Eye & URT irr
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	200 ppm
Nunavut	OEL TWA [ppm]	150 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	200 ppm
Northwest Territories	OEL TWA [ppm]	150 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL STEL [ppm]	200 ppm
Ontario	OEL TWA [ppm]	150 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL TWA [ppm]	50 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: Eye & URT irr
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	200 ppm
Saskatchewan	OEL TWA [ppm]	150 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

2-methoxy-1-methylethyl acetate (108-65-6)		
British Columbia	OEL STEL [ppm]	75 ppm
British Columbia	OEL TWA [ppm]	50 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Ontario	OEL TWA	270 mg/m³
Ontario	OEL TWA [ppm]	50 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)		
Canada (Quebec)	VECD (OEL STEL)	3 mg/m³
Canada (Quebec)	VEMP (OEL TWA)	1 mg/m³
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL	3 mg/m³

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)		
Alberta	OEL TWA	1 mg/m³
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL STEL	3 mg/m³
British Columbia	OEL TWA	1 mg/m³
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL STEL	3 mg/m³
Manitoba	OEL TWA	1 mg/m³
Manitoba	Notations and remarks	TLV® Basis: URT, eye, & skin irr
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL STEL	3 mg/m³
New Brunswick	OEL TWA	1 mg/m³
New Brunswick	Notations and remarks	URT, eye, & skin irr
Newfoundland & Labrador	OEL STEL	3 mg/m³
Newfoundland & Labrador	OEL TWA	1 mg/m³
Newfoundland & Labrador	Notations and remarks	TLV® Basis: URT, eye, & skin irr
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL STEL	3 mg/m³
Nova Scotia	OEL TWA	1 mg/m³
Nova Scotia	Notations and remarks	TLV® Basis: URT, eye, & skin irr
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL	3 mg/m³
Nunavut	OEL TWA	1 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	3 mg/m³
Northwest Territories	OEL TWA	1 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL STEL	3 mg/m³
Ontario	OEL TWA	1 mg/m³
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL	3 mg/m³
Prince Edward Island	OEL TWA	1 mg/m³
Prince Edward Island	Notations and remarks	TLV® Basis: URT, eye, & skin irr
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL	3 mg/m³
Saskatchewan	OEL TWA	1 mg/m³
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

barium sulfate (7727-43-7)		
Canada (Quebec)	VEMP (OEL TWA)	5 mg/m³ Id
Canada (Quebec)	Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	10 mg/m³

barium sulfate (7727-43-7)		
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	5 mg/m³ Inhalable (E - the value is for particulate matter containing no asbestos and less than 1% crystalline silica)
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA	5 mg/m³ (I - Inhalable particulate matter, E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica)
Manitoba	Notations and remarks	TLV® Basis: Pneumoconiosis
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL TWA	5 mg/m³
New Brunswick	Notations and remarks	Pneumoconiosis
Newfoundland & Labrador	OEL TWA	5 mg/m³ (I - Inhalable particulate matter, E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica)
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Pneumoconiosis
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA	5 mg/m³ (I - Inhalable particulate matter, E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica)
Nova Scotia	Notations and remarks	TLV® Basis: Pneumoconiosis
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL	20 mg/m³
Nunavut	OEL TWA	10 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	20 mg/m³
Northwest Territories	OEL TWA	10 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	5 mg/m³ (I - Inhalable fraction) (E - The value is for particulate matter containing no asbestos and < 1 per cent crystalline silica)
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	5 mg/m³ (I - Inhalable particulate matter, E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica)
Prince Edward Island	Notations and remarks	TLV® Basis: Pneumoconiosis
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL	20 mg/m³
Saskatchewan	OEL TWA	10 mg/m³
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

carbon black (1333-86-4)		
Canada (Quebec)	VEMP (OEL TWA)	3 mg/m³ Id
Canada (Quebec)	Notations and remarks	C3
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	3.5 mg/m³
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	3 mg/m³ Inhalable
British Columbia	Notations and remarks	IARC group 2B carcinogen
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)

carbon black (1333-86-4)		
Manitoba	OEL TWA	3 mg/m³ (I - Inhalable particulate matter)
Manitoba	Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL TWA	3 mg/m³
New Brunswick	Notations and remarks	Bronchitis
Newfoundland & Labrador	OEL TWA	3 mg/m³ (I - Inhalable particulate matter)
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA	3 mg/m³ (I - Inhalable particulate matter)
Nova Scotia	Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL	7 mg/m³
Nunavut	OEL TWA	3 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	7 mg/m³
Northwest Territories	OEL TWA	3.5 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	3 mg/m³ (I - Inhalable fraction)
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	3 mg/m³ (I - Inhalable particulate matter)
Prince Edward Island	Notations and remarks	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL	7 mg/m³
Saskatchewan	OEL TWA	3.5 mg/m³
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)		
Canada (Quebec)	VEMP (OEL TWA)	10 mg/m³ Td
Canada (Quebec)	Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	10 mg/m³
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	10 mg/m³ Total dust
British Columbia	Notations and remarks	IARC group 2B carcinogen
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA	10 mg/m³
Manitoba	Notations and remarks	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)		
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL TWA	10 mg/m³
New Brunswick	Notations and remarks	LRT irr
Newfoundland & Labrador	OEL TWA	10 mg/m³
Newfoundland & Labrador	Notations and remarks	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA	10 mg/m³
Nova Scotia	Notations and remarks	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL	20 mg/m³
Nunavut	OEL TWA	10 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	20 mg/m³
Northwest Territories	OEL TWA	10 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	10 mg/m³
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	10 mg/m³
Prince Edward Island	Notations and remarks	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL	20 mg/m³
Saskatchewan	OEL TWA	10 mg/m³
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

magnesium carbonate (546-93-0)		
Canada (Quebec)	VEMP (OEL TWA)	10 mg/m³ Td
Canada (Quebec)	Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
British Columbia	OEL TWA	10 mg/m³
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Nunavut	OEL STEL	20 mg/m³
Nunavut	OEL TWA	10 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	20 mg/m³
Northwest Territories	OEL TWA	10 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)

n-butyl acrylate (141-32-2)		
Canada (Quebec)	VEMP (OEL TWA) [ppm]	2 ppm
Canada (Quebec)	Notations and remarks	S
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	10 mg/m³
Alberta	OEL TWA [ppm]	2 ppm

n-butyl acrylate (141-32-2)		
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA [ppm]	2 ppm
British Columbia	Notations and remarks	S(D) (dermal sensitization)
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA [ppm]	2 ppm
Manitoba	Notations and remarks	TLV® Basis: Irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL TWA [ppm]	2 ppm
New Brunswick	Notations and remarks	Skin, eye, & URT irr; DSEN; A4
Newfoundland & Labrador	OEL TWA [ppm]	2 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA [ppm]	2 ppm
Nova Scotia	Notations and remarks	TLV® Basis: Irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	4 ppm
Nunavut	OEL TWA [ppm]	2 ppm
Nunavut	Notations and remarks	SEN
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	4 ppm
Northwest Territories	OEL TWA [ppm]	2 ppm
Northwest Territories	Notations and remarks	SEN
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA [ppm]	2 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA [ppm]	2 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: Irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	4 ppm
Saskatchewan	OEL TWA [ppm]	2 ppm
Saskatchewan	Notations and remarks	SEN
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

quartz (14808-60-7)		
Canada (Quebec)	VEMP (OEL TWA)	0.1 mg/m³ Rd
Canada (Quebec)	Notations and remarks	C2, EM
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	0.025 mg/m³
Alberta	Notations and remarks	Carcinogenicity A2
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	0.025 mg/m³ Respirable

quartz (14808-60-7)		
British Columbia	Notations and remarks	ACGIH Carcinogenicity category A2; IARC group 1 carcinogen
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Manitoba	Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Manitoba	Regulatory reference	ACGIH
Newfoundland & Labrador	OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Nova Scotia	Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL TWA	0.05 mg/m³ (respirable fraction)
Nunavut	Notations and remarks	Designated substance
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL TWA	0.05 mg/m³ (respirable fraction)
Northwest Territories	Notations and remarks	Designated substance
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	0.1 mg/m³ (R - Respirable fraction)
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Prince Edward Island	Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL TWA	0.05 mg/m³ (respirable fraction)
Saskatchewan	Notations and remarks	Designated Chemical Substance
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

Xylene (1330-20-7)		
Canada (Quebec)	VECD (OEL STEL)	651 mg/m³
Canada (Quebec)	VECD (OEL STEL) [ppm]	150 ppm
Canada (Quebec)	VEMP (OEL TWA)	434 mg/m³
Canada (Quebec)	VEMP (OEL TWA) [ppm]	100 ppm
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL	651 mg/m³
Alberta	OEL STEL [ppm]	150 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL STEL [ppm]	150 ppm
British Columbia	OEL TWA [ppm]	100 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL STEL [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	100 ppm
Manitoba	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI

Xylene (1330-20-7)		
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL STEL [ppm]	150 ppm
New Brunswick	OEL TWA [ppm]	100 ppm
New Brunswick	Notations and remarks	URT & eye irr; CNS impair
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nova Scotia	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	150 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	150 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL STEL [ppm]	150 ppm
Ontario	OEL TWA [ppm]	100 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	150 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

ethylbenzene (100-41-4)		
Canada (Quebec)	VEMP (OEL TWA) [ppm]	20 ppm
Canada (Quebec)	Notations and remarks	C3
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL	543 mg/m³
Alberta	OEL STEL [ppm]	125 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA [ppm]	20 ppm
British Columbia	Notations and remarks	IARC group 2B carcinogen
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA [ppm]	20 ppm
Manitoba	Notations and remarks	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Manitoba	Regulatory reference	ACGIH

ethylbenzene (100-41-4)		
Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA [ppm]	20 ppm
Nova Scotia	Notations and remarks	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	125 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	125 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Northwest Territories	Notations and remarks	Designated substance
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA [ppm]	20 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA [ppm]	20 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	125 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Saskatchewan	Notations and remarks	Designated Chemical Substance
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

Calcium carbonate (1317-65-3)		
Canada (Quebec)	VEMP (OEL TWA)	10 mg/m³ Td
Canada (Quebec)	Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	10 mg/m³
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL STEL	20 mg/m³
British Columbia	OEL TWA	10 mg/m³ Total dust
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Nunavut	OEL STEL	20 mg/m³
Nunavut	OEL TWA	10 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	20 mg/m³
Northwest Territories	OEL TWA	10 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)

Calcium carbonate (1317-65-3)		
Saskatchewan	OEL STEL	20 mg/m³
Saskatchewan	OEL TWA	10 mg/m³
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

talc (14807-96-6)		
Canada (Quebec)	VEMP (OEL TWA)	2 mg/m³ Rd
Canada (Quebec)	Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	2 mg/m³ Respirable particulate containing no asbestos fibres
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	2 mg/m³ Respirable (E - the value is for particulate matter containing no asbestos and less than 1% crystalline silica)
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA	2 mg/m³ (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Manitoba	OEL TWA [ppm]	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)
Manitoba	Notations and remarks	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL TWA	2 mg/m³
Newfoundland & Labrador	OEL TWA	2 mg/m³ (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Newfoundland & Labrador	OEL TWA [ppm]	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)
Newfoundland & Labrador	Notations and remarks	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA	2 mg/m³ (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Nova Scotia	OEL TWA [ppm]	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)
Nova Scotia	Notations and remarks	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL TWA	2 mg/m³ (respirable fraction)
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL TWA	2 mg/m³ (respirable fraction)
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	2 mg/m³ (R - Respirable fraction) (E - The value is for particulate matter containing no asbestos and < 1 per cent crystalline silica)

talc (14807-96-6)		
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	2 mg/m³ (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Prince Edward Island	OEL TWA [ppm]	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)
Prince Edward Island	Notations and remarks	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL TWA	2 mg/m³ (respirable fraction)
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

calcium carbonate (471-34-1)		
Canada (Quebec)	VEMP (OEL TWA)	10 mg/m³ Td
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	10 mg/m³
Alberta	Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
Nunavut	OEL STEL	20 mg/m³
Nunavut	OEL TWA	10 mg/m³
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	20 mg/m³
Northwest Territories	OEL TWA	10 mg/m³
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Saskatchewan	OEL STEL	20 mg/m³
Saskatchewan	OEL TWA	10 mg/m³
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1

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:

Gas mask. 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:

Air-fed respiratory protective equipment should be worn when this product is sprayed

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Viscous. Liquid.
Color	:	Gray
Odor	:	characteristic
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	:	No data available
Freezing point	:	No data available
Boiling point	:	> 35 °C
Flash point	:	< 0 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapor pressure	:	No data available
Vapor pressure at 50 °C	:	No data available
Relative density	:	No data available
Density	:	1.645 (1.6 – 1.69) g/cm³
Solubility	:	insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	3343.465 mm²/s
Viscosity, dynamic	:	5500 (5000 – 6000) cP
Explosion limits	:	No data available

9.2. Other information

As Packaged Regulatory VOC	:	266 g/l (2.2 lb/gal)
As Packaged Actual VOC	:	201 g/l (1.7 lb/gal)
As Applied Regulatory VOC	:	248 g/l (2.1 lb/gal)
As Applied Actual VOC	:	142 g/l (1.2 lb/gal)
Water Content		0 wt%
Exempt Compounds by volume	:	24.3 vol %
Exempt Compounds by weight	:	11.7 wt%
Volatiles	:	24.0 wt%
% EPA HAPS	:	6.3 wt%
Percent Solids	:	76.01 wt%
Percent Solids	:	49.84 vol %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	:	Highly flammable liquid and vapor.
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

Unknown acute toxicity (GHS CA)	4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

acetone (67-64-1)	
LD50 oral rat	5800 mg/kg body weight Animal: rat, Animal sex: female
LD50 dermal rabbit	> 15800 mg/kg body weight (24 h, Rabbit, Male, Weight of evidence, Dermal, 14 day(s))
LC50 Inhalation - Rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4
ATE CA (oral)	5800 mg/kg body weight

n-butyl acetate (123-86-4)	
LD50 oral rat	10760 – 12789 mg/kg body weight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 14112 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	23.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Inhalation (mixture of vapour and aerosol), 14 day(s))
LC50 Inhalation - Rat [ppm]	390 ppm/4h
LC50 Inhalation - Rat (Vapours)	> 21 mg/l/4h (4 h, OECD Test Guideline 403, rat, vapours)
ATE CA (oral)	10760 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	390 ppmV/4h
ATE CA (vapors)	23.4 mg/l/4h
ATE CA (dust,mist)	23.4 mg/l/4h

reaction mass of ethylbenzene, m-xylene and p-xylene	
LD50 oral rat	3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral), rat, male)
LD50 dermal rabbit	12126 mg/kg body weight Animal: rabbit, Animal sex: male
LC50 Inhalation - Rat [ppm]	6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours)
ATE CA (oral)	3523 mg/kg body weight
ATE CA (Dermal)	1100 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	6350 ppmV/4h
ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Xylene (1330-20-7)	
LD50 oral rat	3523 mg/kg body weight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)
LD50 dermal rabbit	12126 mg/kg body weight Animal: rabbit, Animal sex: male
LC50 Inhalation - Rat [ppm]	6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)
ATE CA (oral)	3523 mg/kg body weight
ATE CA (Dermal)	1100 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	6700 ppmV/4h
ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

hydrocarbons, C9, aromatics (64742-95-6)	
LD50 oral rat	8400 ml/kg
LD50 dermal rabbit	3160 mg/kg body weight (OECD Guideline 402 (Acute Dermal Toxicity), rat, male/female
LC50 Inhalation - Rat [ppm]	3400 ppm/4h
LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h
ATE CA (oral)	8400000 mg/kg body weight
ATE CA (Dermal)	50 mg/kg body weight
ATE CA (Gases (except aerosol dispensers and lighters))	3400 ppmV/4h

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	15432 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal)
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))

ethylbenzene (100-41-4)	
ATE CA (Gases (except aerosol dispensers and lighters))	4500 ppmV/4h
ATE CA (vapors)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

talc (14807-96-6)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Not classified

acetone (67-64-1)	
LOAEL (animal/female, F0/P)	11298 mg/kg body weight Animal: mouse, Animal sex: female
NOAEL (animal/male, F0/P)	900 mg/kg body weight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)

hydrocarbons, C9, aromatics (64742-95-6)	
NOAEL (animal/male, F0/P)	7500 mg/kg
NOAEL (animal/female, F0/P)	7500 mg/kg

STOT-single exposure : Not classified

acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

n-butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.

reaction mass of ethylbenzene, m-xylene and p-xylene	
STOT-single exposure	May cause respiratory irritation.

Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.

hydrocarbons, C9, aromatics (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

reaction mass of ethylbenzene, m-xylene and p-xylene	
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
NOAEL (oral,rat,90 days)	150 mg/kg bodyweight/day (OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Xylene (1330-20-7)	
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

hydrocarbons, C9, aromatics (64742-95-6)	
NOAEL (oral,rat,90 days)	600 mg/kg bodyweight/day
NOAEC (inhalation,rat,vapor,90 days)	900 – 1800 mg/m³

ethylbenzene (100-41-4)	
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

SYSTEM 20 HIGH BUILD PRIMER GRAY 2.1 VOC (4:1)	
Viscosity, kinematic	3343.465 mm²/s

Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

acetone (67-64-1)	
LC50 - Fish [1]	6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration)
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

n-butyl acetate (123-86-4)	
LC50 - Fish [1]	18 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	62 mg/l (Leuciscus idus, static system)
EC50 - Crustacea [1]	44 mg/l Test organisms (species): Daphnia sp.
ErC50 algae	397 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)
NOEC (chronic)	23 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	23 mg/l
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

reaction mass of ethylbenzene, m-xylene and p-xylene	
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 72h - Algae [1]	1.3 mg/l
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'

Xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
ErC50 algae	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	2.2 mg/l
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)

hydrocarbons, C9, aromatics (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	6.14 mg/l 48 h, Daphnia magna

hydrocarbons, C9, aromatics (64742-95-6)	
ErC50 algae	2.9 mg/l

ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l Test organisms (species): Menidia menidia
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 72h - Algae [2]	5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	7.7 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [2]	3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'

talc (14807-96-6)	
LC50 - Fish [1]	89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)
EC50 96h - Algae [1]	7203 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)
Partition coefficient n-octanol/water (Log Pow)	-9.4 (QSAR, KOWWIN, 25 °C)

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

n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.21 g O_2/g substance
BOD (% of ThOD)	0.46

Xylene (1330-20-7)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

hydrocarbons, C9, aromatics (64742-95-6)	
Persistence and degradability	Readily biodegradable in water.

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
Chemical oxygen demand (COD)	2.1 g O_2/g substance
ThOD	3.17 g O_2/g substance

talc (14807-96-6)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

acetone (67-64-1)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

n-butyl acetate (123-86-4)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

Xylene (1330-20-7)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)

ethylbenzene (100-41-4)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)

talc (14807-96-6)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)
Partition coefficient n-octanol/water (Log Pow)	-9.4 (QSAR, KOWWIN, 25 °C)

12.4. Mobility in soil

acetone (67-64-1)	
Surface tension	23300 mN/m (20 °C)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)

n-butyl acetate (123-86-4)	
Surface tension	61.3 mN/m (20 °C, 0.1 %, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.268 – 1.844 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	2.3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)

Xylene (1330-20-7)	
Surface tension	28.01 – 29.76 mN/m (25 °C)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)

ethylbenzene (100-41-4)	
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)

talc (14807-96-6)	
Ecology - soil	Adsorbs into the soil.
Partition coefficient n-octanol/water (Log Pow)	-9.4 (QSAR, KOWWIN, 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.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG) : UN1263

Packing group (TDG) : II - Medium Danger

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Transport document description (TDG) : UN1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass), 3, II

Proper Shipping Name (TDG) : PAINT

including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass

Hazard labels (TDG) : 3 - Flammable Liquids

TDG Special Provisions : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass).
142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment:
(a) "PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material;
(b) "PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable;
(c) "PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and
(d) "PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material.

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E2

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L

14.2. Transport information/DOT

Department of Transport

DOT NA No : UN1263

UN-No.(DOT) : 1263

Packing group (DOT) : II - Medium Danger

Transport document description (DOT) : UN1263 Paint (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass), 3, II

Proper Shipping Name (DOT) : Paint

including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass

Contains Statement Field Selection (DOT) :

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Division (DOT) : 3

Hazard labels (DOT)	:	3 - Flammable liquid 
Marine pollutant	:	NO
Dangerous for the environment	:	No
DOT Special Provisions (49 CFR 172.102)	:	149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons). 367 - For the purposes of documentation and package marking: a. The proper shipping name “Paint related material” may be used for consignments of packages containing “Paint” and “Paint related material” in the same package; b. The proper shipping name “Paint related material, corrosive, flammable” may be used for consignments of packages containing “Paint, corrosive, flammable” and “Paint related material, corrosive, flammable” in the same package; c. The proper shipping name “Paint related material, flammable, corrosive” may be used for consignments of packages containing “Paint, flammable, corrosive” and “Paint related material, flammable, corrosive” in the same package; and d. The proper shipping name “Printing ink related material” may be used for consignments of packages containing “Printing ink” and “Printing ink related material” in the same package. 383 - Packages containing toy plastic or paper caps for toy pistols described as “UN0349, Articles, explosive, n.o.s. (Toy caps), 1.4S” or “NA0337, Toy caps, 1.4S” are not subject to the subpart E (labeling) requirements of this part when offered for transportation by motor vehicle, rail freight, cargo vessel, and cargo aircraft and, notwithstanding the packing method assigned in §173.62 of this subchapter, in conformance with the following conditions: B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. B131 - When transported by highway, rail, or cargo vessel, waste Paint and Paint related material (UN1263; PG II and PG III), when in plastic or metal inner packagings of not more than 26.5 L (7 gallons), are excepted from the marking requirements in §172.301(a) and (c) and the labeling requirements in §172.400(a), when further packed in the following specification and non-specification bulk outer packagings and under the following conditions: a. Primary receptacles must conform to the general packaging requirements of subpart B of part 173 of this subchapter and may not leak. If they do leak, they must be overpacked in packagings conforming to the specification requirements of part 178 of this subchapter or in salvage packagings conforming to the requirements in §173.12 of this subchapter. b. Primary receptacles must be further packed in non-specification bulk outer packagings such as cubic yard boxes, plastic rigid-wall bulk containers, dump trailers, and roll-off containers. Bulk outer packagings must be liquid tight through design or by the use of lining materials. c. Primary receptacles may also be further packed in specification bulk outer packagings. Authorized specification bulk outer packagings are UN11G fiberboard intermediate bulk containers (IBC) and UN13H4 woven plastic, coated and with liner flexible intermediate bulk containers (FIBCs) meeting the Packing Group II performance level and lined with a plastic liner of at least 6 mil thickness. d. All inner packagings placed inside bulk outer packagings must be blocked and braced to prevent movement during transportation that could cause the container to open or fall over. Specification IBCs and FIBCs are to be secured to a pallet. IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F). TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	173
DOT Packaging Bulk (49 CFR 173.xxx)	:	242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L

DOT Vessel Stowage Location	:	B - (i) The material may be stowed ''on deck'' or ''under deck'' on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ''On deck only'' on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	:	128
Other information	:	No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	:	1263
Proper Shipping Name (IMDG)	:	PAINT
Transport document description (IMDG)	:	UN 1263 PAINT, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Class (IMDG)	:	3 - Flammable liquids
Packing group (IMDG)	:	II - substances presenting medium danger

IATA

UN-No. (IATA)	:	1263
Proper Shipping Name (IATA)	:	Paint
Transport document description (IATA)	:	UN 1263 Paint, 3, II, ENVIRONMENTALLY HAZARDOUS
Class (IATA)	:	3 - Flammable Liquids
Packing group (IATA)	:	II - Medium Danger

SECTION 15: Regulatory information

15.1. National regulations

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

n-butyl acetate (123-86-4)
Listed on the Canadian DSL (Domestic Substances List)

reaction mass of ethylbenzene, m-xylene and p-xylene
Listed on the Canadian DSL (Domestic Substances List)

Xylene (1330-20-7)
Listed on the Canadian DSL (Domestic Substances List)

hydrocarbons, C9, aromatics (64742-95-6)
Listed on the Canadian DSL (Domestic Substances List)

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

talc (14807-96-6)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

acetone (67-64-1)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

n-butyl acetate (123-86-4)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

reaction mass of ethylbenzene, m-xylene and p-xylene
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Xylene (1330-20-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

hydrocarbons, C9, aromatics (64742-95-6)
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

talc (14807-96-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

SDS Major/Minor : None
Issue date : 10-18-2017
Revision date : 09-18-2019
Supersedes : 08-13-2019

Indication of changes:

Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	
	Precautionary statements (GHS CA)	Modified	

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H310	Fatal in contact with skin
H312	Harmful in contact with skin
H315	Causes skin irritation
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 U-POL

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.