



DRIVING SURFACE PERFECTION

# RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL

## Safety Data Sheet

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

Issue date: 09-02-2020

Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : RAPTOR 1K TOUGH UNDERCOATING BLACK AEROSOL  
 Product code : UP8410  
 UP Number : UP8410  
 Product group : aerosol

#### 1.2. Recommended use and restrictions on use

Recommended use : Coating

#### 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](mailto:technicalsupport@u-pol.com) - [www.u-pol.com](http://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 aerosol Category 1	H222
Gases under pressure Liquefied gas	H280
Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 2	H319
Carcinogenicity Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
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) :

- H222 - Extremely flammable aerosol
- H280 - Contains gas under pressure; may explode if heated
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness
- H351 - Suspected of causing cancer
- H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS CA) :

- P101 - If medical advice is needed, have product container or label at hand.
- P102 - Keep out of reach of children.
- 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.
- P211 - Do not spray on an open flame or other ignition source.
- P251 - Do not pierce or burn, even after use.
- P260 - Do not breathe vapors, spray, fume.
- P264 - Wash hands thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.

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P280 - Wear eye protection, protective clothing, protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - IF exposed or concerned: Get medical advice/attention.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
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

### 2.4. Unknown acute toxicity (GHS CA)

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
methyl acetate	methyl acetate acetate of methyl / acetic acid methyl ester / acetic acid, methyl ester / devoton / ethyl ester of monoacetyl acid / methyl acetate / methyl acetate, anhydrous / methyl acetic ester / methyl ester acetic acid / methyl ethanoate / tereton	(CAS-No.) 79-20-9	15 – 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
reaction mass of ethylbenzene, m-xylene and p-xylene			5 – 13	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
hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	SBP6	(CAS-No.) 1174921-73-3	7 – 10	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
kieselguhr, soda ash flux calcined	ACID WASHED HYFLO / AQUA-CEL / AQUA-CEL CELITE / C100 / C110 / C219 / C224 / C226 / C233 / C234 / C235 / C237 / C239 / C241 / C251 / C26.31.D / C263 / C264 / C269 / C273 / C281 / C319 / C320 / C375 / C388 / C427 / C455 / C460 / C499 / C501 / C503 / C503RV / C522 / C535 / C538 / C542 / C545 / C546 / C552 / C555 / C560 / C566 / C572 / C578 / C579 / C580 / C581 / C582 / C585 / C591 / C592 / CELATOM / CELATOM FW-10 / CELATOM FW-12 / CELATOM FW-14 / CELATOM FW-14, filter agent / CELATOM FW-18 / CELATOM FW-20 / CELATOM FW-40 / CELATOM FW-50 / CELATOM FW-50, filter agent / CELATOM FW-60 / CELATOM FW-60, filter agent / CELATOM FW-70 / CELATOM FW-80 / CELATOM FW-80, filter agent / CELITE (calcined) / CELITE 100 / CELITE 110 / CELITE 129 / CELITE 201 / CELITE 202 / CELITE 219 / CELITE 224 / CELITE 234 / CELITE 235 / CELITE 238 / CELITE 239 / CELITE 241 / CELITE 251 / CELITE 263 / CELITE 263D / CELITE 263LD / CELITE 264 / CELITE 269 / CELITE 270 / CELITE 271 / CELITE 273 / CELITE 275 / CELITE 281 / CELITE 281SS / CELITE 282 / CELITE 315 / CELITE 319 / CELITE 320 / CELITE 350 / CELITE 370 / CELITE 375 / CELITE 379 / CELITE 388 / CELITE 392 / CELITE 400 / CELITE 427 / CELITE 436 / CELITE 455 / CELITE 460 / CELITE 499 / CELITE 501 / CELITE 503 / CELITE 507 / CELITE 512 / CELITE 513 / CELITE 521 / CELITE 521, filter agent / CELITE 522 / CELITE 535 / CELITE 538 / CELITE 542 / CELITE 545 / CELITE 545AW / CELITE 546 / CELITE 552 / CELITE 555 / CELITE 560 / CELITE 566 / CELITE 572 / CELITE 577 / CELITE 578 / CELITE 579 / CELITE 580 / CELITE 581 / CELITE 582 / CELITE 585 / CELITE 591 / CELITE 592 / CELITE 599 / celite acid treated filter aids / CELITE AFA / CELITE, filter agent / celite-acid washed / CHSC / CLARCEL / CP-100 / diatomaceous earth, flux-calcined / diatomaceous earth, flux-calcined, acid washed / diatomaceous FW 805 / DICALITE 2500 / DICALITE 341 / DICALITE 375 / DICALITE 4200 / DICALITE 4500 / DICALITE 5000 / DICALITE 6000 / DICALITE 7000 / filter agent, CELATOM FW-14 / filter agent, CELATOM FW-50 / filter agent, CELATOM FW-60 / filter agent, CELATOM FW-80 / filter aid for cooking oil / flux calcined diatomaceous earth / flux calcined diatomite / flux calcined kieselguhr / grade C / HYFLO / hyflo DC / HYFLO RV / HYFLO SUPER CEL CELITE / HYFLO SUPERCEL / K-5 / KENITE 700 / kieselguhr, flux calcined / kieselguhr, soda ash flux calcined / PRIMISIL 602 / SILVER FROST CELITE K-5 / SILVERFROST / SPEEDNEX / SPEEDPLUS / SSC / STANDARD SUPER CELL CELITE / SUPER FLOSS / SUPER PE44 / SUPERFINE SUPERFLOSS / SUPERFINE SUPERFLOSS CELITE / SUPERFLOSS CELITE / syloid / WHITE MIST / WHITE MIST CELITE RV / X-3 / X-4 / X-5 / X-6 / X-7	(CAS-No.) 68855-54-9	< 5	STOT RE 2, H373

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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 100pwr, 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	3 – 5	Carc. 2, H351

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
carbon black	10 B / 200303 / 3500 B / 40 B / acetylen black / acetylene black / acticarbon AC 35 / AD 200 / AD 200(carbon) / AM black / amorphous carbon / aquafine AF black E 2B / aquafine black E ZB / aro / aroflow / arogen / aromex / arotone / arovel / arrow / asahi 35 / asahi 60 / asahi 70 / asahi 80 / asahithermal / ASM(carbon) / ATG 60 / ATG 70 / atlantic / ATR 077 / austin black / austin black 325 / AX 3023 / BK 6 / BK 6(carbon black) / black FW / black pearls / black pearls 1000 / black pearls 1000A80 / black pearls 1100 / black pearls 1300 / black pearls 2000 / black pearls 700 / black pearls 800 / black pearls 880 / black pearls 900 / black pearls 1 / C.I. 77266 / C.I. pigment black 6 / C.I. pigment black 7 / cabot 330 / cabot 607 / calblack N 220 / cancarb / carbalac 2 / carbodis / carbodis 100 / carbodis 80 / carbolac / carbolac 1 / carbomet / CARBON BLACK / carbon black BV and V / carbon black corax N330 / carbon black EB501 / carbon black monarch 81 / carbon black pearls / carbon black pigment / carbon black, acetylene / carbon black, channel / carbon black, furnace / carbon black, lamp / carbon black, thermal / carbon, amorphous / CC 40-220 / CD-7037 / channel black / charcoal black / chesacarb / chesacarb E / chesacarb EC / chesacarb K 2 / chezasorb / CK3 / CK4 / CK4(carbon black) / clagon RBDA / collocarb / colour black FW 1 / columbia carbon / CONDUCTEX / CONDUCTEX 40-220 / CONDUCTEX 7055 / CONDUCTEX 900 / CONDUCTEX 950 / CONDUCTEX 975 / CONDUCTEX CC 40-220 / CONDUCTEX N 472 / CONDUCTEX SC / continental(=carbon black) / continex / CONTINEX N 330 / CONTINEX N 356 / corac P / corax / corax 234 / corax 3HS CSX 147 / corax A / corax L / corax L 29 / corax L 6 / corax N220 / corax N539 / corax N650 / corax N683 / corax N765 / corax P / croflex / crolac / CSX 150A / CSX 150A2 / CSX 174 / CSX 200A / CSX 99 / CSX191 / CSX230 / CSX242 / DEGUSSA black FW / DEGUSSA(=carbon black) / dermmapol black G / DG 100 / diablack 2350 / diablack 3500B / diablack 52 / diablack A / diablack E / diablack G / diablack H / diablack MA 100 / diablack MA 8 / diablack MA 8B / diablack SH / disperse black SD 9020 / dixie(=carbon black) / dixiecell / dixiedensed / dixitherm / DMG 105a durex O / durex O beads / durex(carbon black) / E carbon black / eagle germantown / EDO / EDO(carbon black) / eldic EC 8013 / ELF / ELF 78 / elfex 475 / ELF-O / elftex / elftex 115 / elftex 12 / elftex 120 / elftex 125 / elftex 150 / elftex 160 / elftex 180 / elftex 280 / elftex 285 / elftex 415 / elftex 430 / elftex 435 / elftex 460 / elftex 465 / elftex 470 / elftex 475 / elftex 480 / elftex 485 / elftex 490 / elftex 495 / elftex 5 / elftex 570 / elftex 670 / elftex 675 / elftex 8 / elftex TP / elftex-E280 / emacol NS black 4901 / EPC / EPC(carbon black) / essex / excelsior / EXP / EXP 1 / EXP 2 / EXP(carbon black) / explosion / explosion acetylene black / explosion black / F 122 / farbruss / farbruss FW 1 / farbruss S 160 (EPC(carbon black) / flamruss / furnace black / furnal / furnal 500 / furnex / furnex N 765 / FW 200 / FW 200(carbon) / G 2 / G2(carbon black) / gas black / gas-furnace black / gastex /	(CAS-No.) 1333-86-4	0.5 – 1	Carc. 2, H351
07-27-2021				5/20

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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. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
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	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

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

#### 5.3. Specific hazards arising from the hazardous product

Fire hazard	: Extremely flammable aerosol.
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#### 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.
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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### 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	: Mechanically recover the product. 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	: 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapors, spray, fume. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. 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	: Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Keep container tightly closed. Keep cool.
Storage temperature	: < 25 °C
Special rules on packaging	: Keep only in original container.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>LPG, liquefied, under pressure (68476-85-7)</b>		
Canada (Quebec)	VEMP (OEL TWA)	1800 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (OEL TWA) [ppm]	1000 ppm
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL [ppm]	1500 ppm
Alberta	OEL TWA [ppm]	1000 ppm
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	Notations and remarks	Simple asphyxiant; EX (Substance is a flammable asphyxiant or excursions above the exposure limit could approach 10% of the lower explosive limit)
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	Notations and remarks	TLV® Basis: Simple Asphyxiant
Manitoba	Regulatory reference	ACGIH
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Simple Asphyxiant
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	Notations and remarks	TLV® Basis: Simple Asphyxiant
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	1250 ppm
Nunavut	OEL TWA [ppm]	1000 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	1250 ppm
Northwest Territories	OEL TWA [ppm]	1000 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	Notations and remarks	See Appendix F: Minimal Oxygen Content
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	Notations and remarks	TLV® Basis: Simple Asphyxiant
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	1250 ppm
Saskatchewan	OEL TWA [ppm]	1000 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1
<b>calcium carbonate (471-34-1)</b>		
Canada (Quebec)	VEMP (OEL TWA)	10 mg/m <sup>3</sup> Td
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	10 mg/m <sup>3</sup>
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/m <sup>3</sup>
Nunavut	OEL TWA	10 mg/m <sup>3</sup>
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	20 mg/m <sup>3</sup>
Northwest Territories	OEL TWA	10 mg/m <sup>3</sup>
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)

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<b>calcium carbonate (471-34-1)</b>		
Saskatchewan	OEL STEL	20 mg/m <sup>3</sup>
Saskatchewan	OEL TWA	10 mg/m <sup>3</sup>
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1
<b>crystalite, 1%≤conc respirable crystalline silica&lt;10% (14464-46-1)</b>		
Canada (Quebec)	VEMP (OEL TWA)	0.05 mg/m <sup>3</sup> Rd
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL TWA	0.025 mg/m <sup>3</sup>
Alberta	Notations and remarks	Carcinogenicity A2
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	0.025 mg/m <sup>3</sup> Respirable
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/m <sup>3</sup> (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/m <sup>3</sup> (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/m <sup>3</sup> (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/m <sup>3</sup> (respirable fraction)
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL TWA	0.05 mg/m <sup>3</sup> (respirable fraction)
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	0.05 mg/m <sup>3</sup> (R - Respirable fraction)
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	0.025 mg/m <sup>3</sup> (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/m <sup>3</sup> (respirable fraction)
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1
<b>kaolin (1332-58-7)</b>		
Canada (Quebec)	VEMP (OEL TWA)	2 mg/m <sup>3</sup> 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/m <sup>3</sup> Respirable
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	2 mg/m <sup>3</sup> Respirable (E - the value is for particulate matter containing no asbestos and less than 1% crystalline silica)



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<b>kaolin (1332-58-7)</b>		
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Manitoba	OEL TWA	2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Manitoba	Notations and remarks	TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL TWA	2 mg/m <sup>3</sup>
New Brunswick	Notations and remarks	Pneumoconiosis
Newfoundland & Labrador	OEL TWA	2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL TWA	2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Nova Scotia	Notations and remarks	TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL	4 mg/m <sup>3</sup> (respirable fraction)
Nunavut	OEL TWA	2 mg/m <sup>3</sup> (respirable fraction)
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	4 mg/m <sup>3</sup> (respirable fraction)
Northwest Territories	OEL TWA	2 mg/m <sup>3</sup> (respirable fraction)
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 per cent crystalline silica) (R - Respirable fraction)
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)
Prince Edward Island	Notations and remarks	TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL	4 mg/m <sup>3</sup> (respirable fraction)
Saskatchewan	OEL TWA	2 mg/m <sup>3</sup> (respirable fraction)
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1
<b>quartz (14808-60-7)</b>		
Canada (Quebec)	VEMP (OEL TWA)	0.1 mg/m <sup>3</sup> 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/m <sup>3</sup>
Alberta	Notations and remarks	Carcinogenicity A2
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL TWA	0.025 mg/m <sup>3</sup> Respirable
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/m <sup>3</sup> (R - Respirable particulate matter)

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<b>quartz (14808-60-7)</b>		
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 Occupational 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
<b>magnesium carbonate (546-93-0)</b>		
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)
<b>carbon black (1333-86-4)</b>		
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

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<b>carbon black (1333-86-4)</b>		
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	3 mg/m <sup>3</sup> (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/m <sup>3</sup>
New Brunswick	Notations and remarks	Bronchitis
Newfoundland & Labrador	OEL TWA	3 mg/m <sup>3</sup> (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/m <sup>3</sup> (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/m <sup>3</sup>
Nunavut	OEL TWA	3 mg/m <sup>3</sup>
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL	7 mg/m <sup>3</sup>
Northwest Territories	OEL TWA	3.5 mg/m <sup>3</sup>
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	3 mg/m <sup>3</sup> (I - Inhalable fraction)
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	3 mg/m <sup>3</sup> (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/m <sup>3</sup>
Saskatchewan	OEL TWA	3.5 mg/m <sup>3</sup>
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1
<b>methyl acetate (79-20-9)</b>		
Canada (Quebec)	VECD (OEL STEL)	757 mg/m <sup>3</sup>
Canada (Quebec)	VECD (OEL STEL) [ppm]	250 ppm
Canada (Quebec)	VEMP (OEL TWA)	606 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (OEL TWA) [ppm]	200 ppm
Canada (Quebec)	Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Alberta	OEL STEL	757 mg/m <sup>3</sup>
Alberta	OEL STEL [ppm]	250 ppm
Alberta	OEL TWA	606 mg/m <sup>3</sup>
Alberta	OEL TWA [ppm]	200 ppm
Alberta	Regulatory reference	Alberta Regulation 87/2009 (Alberta Regulation 150/2020)
British Columbia	OEL STEL [ppm]	250 ppm
British Columbia	OEL TWA [ppm]	200 ppm
British Columbia	Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)

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<b>methyl acetate (79-20-9)</b>		
Manitoba	OEL STEL [ppm]	250 ppm
Manitoba	OEL TWA [ppm]	200 ppm
Manitoba	Notations and remarks	TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina)
Manitoba	Regulatory reference	ACGIH
New Brunswick	OEL STEL [ppm]	250 ppm
New Brunswick	OEL TWA [ppm]	200 ppm
New Brunswick	Notations and remarks	eye & URT irr
Newfoundland & Labrador	OEL STEL [ppm]	250 ppm
Newfoundland & Labrador	OEL TWA [ppm]	200 ppm
Newfoundland & Labrador	Notations and remarks	TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina)
Newfoundland & Labrador	Regulatory reference	ACGIH
Nova Scotia	OEL STEL [ppm]	250 ppm
Nova Scotia	OEL TWA [ppm]	200 ppm
Nova Scotia	Notations and remarks	TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina)
Nova Scotia	Regulatory reference	ACGIH
Nunavut	OEL STEL [ppm]	250 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL STEL [ppm]	250 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL STEL [ppm]	250 ppm
Ontario	OEL TWA [ppm]	200 ppm
Ontario	Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Prince Edward Island	OEL STEL [ppm]	250 ppm
Prince Edward Island	OEL TWA [ppm]	200 ppm
Prince Edward Island	Notations and remarks	TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina)
Prince Edward Island	Regulatory reference	ACGIH
Saskatchewan	OEL STEL [ppm]	250 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Saskatchewan	Regulatory reference	The Occupational Health and Safety Regulations, 1996. Chapter O-1.1 Reg 1
<b>talc (14807-96-6)</b>		
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)

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talc (14807-96-6)		
Manitoba	OEL TWA	2 mg/m <sup>3</sup> (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/cm <sup>3</sup> (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/m <sup>3</sup>
Newfoundland & Labrador	OEL TWA	2 mg/m <sup>3</sup> (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/cm <sup>3</sup> (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/m <sup>3</sup> (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/cm <sup>3</sup> (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/m <sup>3</sup> (respirable fraction)
Nunavut	Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016
Northwest Territories	OEL TWA	2 mg/m <sup>3</sup> (respirable fraction)
Northwest Territories	Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Ontario	OEL TWA	2 mg/m <sup>3</sup> (R - Respirable fraction) (E - The value is for particulate matter containing no asbestos and < 1 per cent crystalline silica)
Ontario	Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Prince Edward Island	OEL TWA	2 mg/m <sup>3</sup> (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/cm <sup>3</sup> (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/m <sup>3</sup> (respirable fraction)
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.

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### 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	: Black
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	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: -60 °C
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
Density	: 0.99 g/cm <sup>3</sup>
Solubility	: insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosion limits	: No data available

### 9.2. Other information

Gas group	: Press. Gas (Liq.)
As Packaged Regulatory VOC	: 446 g/l (3.7 lb/gal)
As Packaged Actual VOC	: 317 g/l (2.6 lb/gal)
As Applied Regulatory VOC	: 446 g/l (3.7 lb/gal)
As Applied Actual VOC	: 317 g/l (2.6 lb/gal)
Water Content	: 0 wt%
Exempt Compounds by weight	: 27 wt% methyl acetate
Volatiles	: 59.3 wt%

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Percent Solids : 40.67 wt%

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity : Extremely flammable aerosol.  
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

<b>kieselguhr, soda ash flux calcined (68855-54-9)</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 2.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 2.6 mg/l/4h (4 h, OECD Guideline 403 (Acute Inhalation Toxicity), rat, male/female, Experimental value)

<b>reaction mass of ethylbenzene, m-xylene and p-xylene</b>	
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

<b>hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (1174921-73-3)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 4.951 mg/l/4h (OECD Guideline 403 (Acute Inhalation Toxicity), 4h, rat, male/female, inhalation (vapours))

<b>carbon black (1333-86-4)</b>	
LD50 oral rat	> 8000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 4.6 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Experimental value, Inhalation (dust))

<b>methyl acetate (79-20-9)</b>	
LD50 oral rat	6482 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	49 mg/l
ATE CA (oral)	6482 mg/kg body weight
ATE CA (vapors)	49 mg/l/4h
ATE CA (dust,mist)	49 mg/l/4h

<b>talc (14807-96-6)</b>	
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 : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.

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Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Suspected of causing cancer.

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

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

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)	
STOT-single exposure	May cause drowsiness or dizziness.

methyl acetate (79-20-9)	
STOT-single exposure	May cause drowsiness or dizziness.

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

STOT-repeated exposure

kieselguhr, soda ash flux calcined (68855-54-9)	
NOAEL (oral, rat, 90 days)	3737.9 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.

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.

methyl acetate (79-20-9)	
LOAEC (inhalation, rat, vapor, 90 days)	2000 mg/l
NOAEC (inhalation, rat, vapor, 90 days)	1057 mg/m <sup>3</sup>

Aspiration hazard : Not classified

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Vaporizer	aerosol
Not able to form a pool	Yes

Symptoms/effects : May cause drowsiness or dizziness.  
Symptoms/effects after skin contact : Irritation.  
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

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'

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)	
LC50 - Fish [1]	10 – 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l



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<b>hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (1174921-73-3)</b>	
NOEC chronic fish	1 mg/l

<b>carbon black (1333-86-4)</b>	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	> 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 10000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 72h - Algae [1]	> 10000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

<b>methyl acetate (79-20-9)</b>	
LC50 - Fish [1]	250 – 350 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	1026.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
BCF - Fish [1]	< 1 (Pisces, Literature study)
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental value, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)

<b>talc (14807-96-6)</b>	
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

<b>kieselguhr, soda ash flux calcined (68855-54-9)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>carbon black (1333-86-4)</b>	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

<b>methyl acetate (79-20-9)</b>	
Persistence and degradability	Readily biodegradable in water.

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

### 12.3. Bioaccumulative potential

<b>kieselguhr, soda ash flux calcined (68855-54-9)</b>	
Bioaccumulative potential	No test data of component(s) available.

<b>carbon black (1333-86-4)</b>	
Bioaccumulative potential	Not bioaccumulative.

<b>methyl acetate (79-20-9)</b>	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
BCF - Fish [1]	< 1 (Pisces, Literature study)
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental value, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)

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

### 12.4. Mobility in soil

<b>carbon black (1333-86-4)</b>	
Surface tension	Not applicable (solid)
Ecology - soil	No (test)data on mobility of the substance available. Not toxic to plants. Not toxic to animals.

<b>methyl acetate (79-20-9)</b>	
Surface tension	24 mN/m (20 °C)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	0.18 (Experimental value, 20 °C)

<b>talca (14807-96-6)</b>	
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.

## 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 (TDG) : UN1950 AEROSOLS (flammable), 2.1  
Proper Shipping Name (TDG) : 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 the requirements for transporting gases in Part 5 (Means of Containment).  
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 vessel 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.

Explosive Limit and Limited Quantity Index : 1 L  
Excepted quantities (TDG) : E0  
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 75 L

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### 14.2. Transport information/DOT

#### Department of Transport

DOT NA No	:	UN1950
UN-No.(DOT)	:	1950
Transport document description (DOT)	:	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	:	No
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 - Protected from sources of 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
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
Class (IATA)	:	2 - Gases

## SECTION 15: Regulatory information

### 15.1. National regulations

#### kieselguhr, soda ash flux calcined (68855-54-9)

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)

#### hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)

Listed on the Canadian DSL (Domestic Substances List)

#### carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

#### methyl acetate (79-20-9)

Listed on the Canadian DSL (Domestic Substances List)

#### talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

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### 15.2. International regulations

**kieselguhr, soda ash flux calcined (68855-54-9)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**reaction mass of ethylbenzene, m-xylene and p-xylene**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (1174921-73-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**carbon black (1333-86-4)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**methyl acetate (79-20-9)**

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 : 09-02-2020

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
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
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
H412	Harmful 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.*