

Abrasive Coated Sanding Belts

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
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SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Abrasive Coated Sanding Belts

Synonyms: AO, MX, Regular Belts

1.2. Intended Use of the Product

Polishing various substrates i.e.: metals, wood, polycarbonates

1.3. Name, Address, and Telephone of the Responsible Party

Company

Micro-Surface Finishing Products, Inc.

1217 W 3rd St

PO Box 70

Wilton IA 52778

563.732.3240

www.micro-surface.com

1.4. Emergency Telephone Number

Emergency Number : 563.732.3240

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Not classified

2.2. Label Elements

GHS-US/CA Labeling

No labeling applicable according to 29 CFR 1910.1200 and the Hazardous Products Regulations (HPR) SOR/2015-17.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Methyl ethyl ketone	Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone / methyl ethyl ketone	(CAS-No.) 78-93-3	31 – 75	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Aluminum oxide (Al ₂ O ₃)	Aluminum oxide / .alpha.-Alumina / Alumina / Aluminium oxide / Aluminium oxide (Al ₂ O ₃) / .alpha.-Aluminum oxide / Dialuminum trioxide / Dialuminium trioxide / ALUMINA / Alundum	(CAS-No.) 1344-28-1	≤ 31	Not classified
Silicon carbide	Silicon carbide (SiC) / Silicon carbide, fibrous / Silicon carbide whiskers / Silicon carbide, non-fibrous / SILICON CARBIDE / silicon carbide / Silicon carbide fibres (with diameter <3 µm, length >5 µm and aspect ratio ≥3:1) / Silicon carbide fibres	(CAS-No.) 409-21-2	≤ 31	Carc. 1B, H350 STOT RE 1, H372
Cellulose	Microcrystalline cellulose /	(CAS-No.) 9004-34-6	2.4 – 2.6	Comb. Dust

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	CELLULOSE / Cellulose, microcrystalline / MICROCRYSTALLINE CELLULOSE			
Iron oxide (Fe2O3)	C.I. 77491 / C.I. Pigment Red 101 / Diiron trioxide / Ferric oxide / Iron sesquioxide / Iron(III) oxide / Red Iron Oxide / Rouge / CI 77491 / Iron trioxide / Sienna / Pigment Red 101 / Red iron oxide / Red iron oxide pigment / Iron Oxide Red / Diiron(III) trioxide / Iron oxide / Ferric oxide red / Iron oxide, red	(CAS-No.) 1309-37-1	≤ 0.75	Comb. Dust
Ammonium hydroxide	Ammonia, aqueous solution / Ammonium hydroxide ((NH4)(OH)) / Ammonia aqueous / Ammonia solution / AMMONIUM HYDROXIDE / Ammonia, aqueous / Ammonia solutions / Ammonia ...% / Ammonia water / Ammonia	(CAS-No.) 1336-21-6	< 0.2	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400
Ammonia	Ammonia, anhydrous / Free ammonia / Gaseous ammonia / AMMONIA / Non-ionic ammonia / ammonia	(CAS-No.) 7664-41-7	< 0.2	Flam. Gas 2, H221 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Ethyl acetate	Acetic acid, ethyl ester / Ethyl ethanoate / ETHYL ACETATE	(CAS-No.) 141-78-6	< 0.14	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Acetone	Dimethyl ketone / 2-Propanone / ACETONE / Propan-2-one / Propanone	(CAS-No.) 67-64-1	< 0.035	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Toluene	Benzene, methyl- / Methylbenzene / Phenylmethane / TOLUENE	(CAS-No.) 108-88-3	< 0.001	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Benzene, 1,3-diisocyanatomethyl-	Toluene 2,4-(and 2,6)-diisocyanate / 2,4/2,6-Toluene diisocyanate (mixture) / 2,4-/2,6-Toluene diisocyanate / m-Toluene diisocyanate	(CAS-No.) 26471-62-5	< 0.001	Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

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SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Contact with dust from sanding: Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

Skin Contact: Contact with dust from sanding: Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing. If exposed or concerned: Get medical advice/attention.

Eye Contact: Contact with dust from sanding: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: As shipped this product is not expected to be hazardous to human health. Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: May cause cancer (inhalation). Causes damage to organs (respiratory organs) through prolonged or repeated exposure (inhalation). Causes serious eye irritation.

Inhalation: Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: Dust may be harmful or cause irritation.

Skin Contact: Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: Prolonged exposure may cause skin irritation, and an allergic reaction in sensitive individuals.

Eye Contact: Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Repeated and longterm Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: May cause cancer by inhalation. Causes damage to organs (respiratory organs) through prolonged or repeated exposure (inhalation).

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Dust from sanding is combustible. Use care during sanding to minimize generation of dust.

Explosion Hazard: Product's dust can cause an explosion hazard in air.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses. Risk of dust explosion.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe dust. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

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Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Precautions for Safe Handling: Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Avoid creating or spreading dust. Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Polishing various substrates i.e.: metals, wood, polycarbonates

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Methyl ethyl ketone (78-93-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	200 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	300 ppm
USA ACGIH	BEI (BLV)	2 mg/l Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	590 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA NIOSH	NIOSH REL (TWA)	590 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA NIOSH	NIOSH REL (STEL)	885 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	300 ppm
USA IDLH	IDLH [ppm]	3000 ppm
Alberta	OEL STEL	885 mg/m ³
Alberta	OEL STEL [ppm]	300 ppm
Alberta	OEL TWA	590 mg/m ³
Alberta	OEL TWA [ppm]	200 ppm
British Columbia	OEL STEL [ppm]	100 ppm

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British Columbia	OEL TWA [ppm]	50 ppm
Manitoba	OEL STEL [ppm]	300 ppm
Manitoba	OEL TWA [ppm]	200 ppm
New Brunswick	OEL STEL	885 mg/m ³
New Brunswick	OEL STEL [ppm]	300 ppm
New Brunswick	OEL TWA	590 mg/m ³
New Brunswick	OEL TWA [ppm]	200 ppm
Newfoundland & Labrador	OEL STEL [ppm]	300 ppm
Newfoundland & Labrador	OEL TWA [ppm]	200 ppm
Nova Scotia	OEL STEL [ppm]	300 ppm
Nova Scotia	OEL TWA [ppm]	200 ppm
Nunavut	OEL STEL [ppm]	300 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Northwest Territories	OEL STEL [ppm]	300 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm
Ontario	OEL STEL [ppm]	300 ppm
Ontario	OEL TWA [ppm]	200 ppm
Prince Edward Island	OEL STEL [ppm]	300 ppm
Prince Edward Island	OEL TWA [ppm]	200 ppm
Québec	VECD (OEL STEL)	300 mg/m ³
Québec	VECD (OEL STEL) [ppm]	100 ppm
Québec	VEMP (OEL TWA)	150 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	300 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	740 mg/m ³
Yukon	OEL STEL [ppm]	250 ppm
Yukon	OEL TWA	590 mg/m ³
Yukon	OEL TWA [ppm]	200 ppm
Aluminum oxide (Al2O3) (1344-28-1)		
USA ACGIH	ACGIH OEL TWA	10 mg/m ³
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Alberta	OEL TWA	10 mg/m ³
New Brunswick	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Nunavut	OEL STEL	20 mg/m ³
Nunavut	OEL TWA	10 mg/m ³
Northwest Territories	OEL STEL	20 mg/m ³
Northwest Territories	OEL TWA	10 mg/m ³
Québec	VEMP (OEL TWA)	10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL	20 mg/m ³
Saskatchewan	OEL TWA	10 mg/m ³
Yukon	OEL STEL	20 mg/m ³ (Al2O3)
Yukon	OEL TWA	30 mppcf (Al2O3) 10 mg/m ³ (Al2O3)
Iron oxide (Fe2O3) (1309-37-1)		
USA ACGIH	ACGIH OEL TWA	5 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA OSHA	OSHA PEL (TWA) [1]	10 mg/m ³ (fume)

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		15 mg/m ³ (total dust (Rouge)) 5 mg/m ³ (respirable fraction (Rouge))
USA NIOSH	NIOSH REL (TWA)	5 mg/m ³ (dust and fume)
USA IDLH	IDLH	2500 mg/m ³ (dust and fume)
Alberta	OEL TWA	5 mg/m ³ (respirable)
British Columbia	OEL STEL	10 mg/m ³ (fume)
British Columbia	OEL TWA	10 mg/m ³ (regulated under Rouge-total particulate (Rouge)) 3 mg/m ³ (regulated under Rouge: particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate (Rouge)) 5 mg/m ³ (dust and fume)
Manitoba	OEL TWA	5 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA	5 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, dust and fume) 10 mg/m ³ (regulated under Rouge-particulate matter containing no Asbestos and <1% Crystalline silica)
Newfoundland & Labrador	OEL TWA	5 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA	5 mg/m ³ (respirable particulate matter)
Nunavut	OEL STEL	10 mg/m ³ (dust and fume) 20 mg/m ³ (regulated under Rouge)
Nunavut	OEL TWA	5 mg/m ³ (dust and fume) 10 mg/m ³ (regulated under Rouge)
Northwest Territories	OEL STEL	10 mg/m ³ (dust and fume) 20 mg/m ³ (regulated under Rouge)
Northwest Territories	OEL TWA	5 mg/m ³ (dust and fume) 10 mg/m ³ (regulated under Rouge)
Ontario	OEL TWA	5 mg/m ³ (respirable particulate matter)
Prince Edward Island	OEL TWA	5 mg/m ³ (respirable particulate matter)
Québec	VEMP (OEL TWA)	5 mg/m ³ (dust and fume)
Saskatchewan	OEL STEL	10 mg/m ³ (dust and fume) 20 mg/m ³ (regulated under Rouge)
Saskatchewan	OEL TWA	5 mg/m ³ (dust and fume) 10 mg/m ³ (regulated under Rouge)
Yukon	OEL STEL	10 mg/m ³ (fume) 20 mg/m ³ (regulated under Rouge)
Yukon	OEL TWA	5 mg/m ³ (fume) 30 mppcf (regulated under Rouge) 10 mg/m ³ (regulated under Rouge)
Ammonia (7664-41-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	35 ppm
USA OSHA	OSHA PEL (TWA) [1]	35 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	50 ppm
USA NIOSH	NIOSH REL (TWA)	18 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	25 ppm
USA NIOSH	NIOSH REL (STEL)	27 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	35 ppm
USA IDLH	IDLH [ppm]	300 ppm
Alberta	OEL STEL	24 mg/m ³
Alberta	OEL STEL [ppm]	35 ppm
Alberta	OEL TWA	17 mg/m ³

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Alberta	OEL TWA [ppm]	25 ppm
British Columbia	OEL STEL [ppm]	35 ppm
British Columbia	OEL TWA [ppm]	25 ppm
Manitoba	OEL STEL [ppm]	35 ppm
Manitoba	OEL TWA [ppm]	25 ppm
New Brunswick	OEL STEL	24 mg/m ³
New Brunswick	OEL STEL [ppm]	35 ppm
New Brunswick	OEL TWA	17 mg/m ³
New Brunswick	OEL TWA [ppm]	25 ppm
Newfoundland & Labrador	OEL STEL [ppm]	35 ppm
Newfoundland & Labrador	OEL TWA [ppm]	25 ppm
Nova Scotia	OEL STEL [ppm]	35 ppm
Nova Scotia	OEL TWA [ppm]	25 ppm
Nunavut	OEL STEL [ppm]	35 ppm
Nunavut	OEL TWA [ppm]	25 ppm
Northwest Territories	OEL STEL [ppm]	35 ppm
Northwest Territories	OEL TWA [ppm]	25 ppm
Ontario	OEL STEL [ppm]	35 ppm
Ontario	OEL TWA [ppm]	25 ppm
Prince Edward Island	OEL STEL [ppm]	35 ppm
Prince Edward Island	OEL TWA [ppm]	25 ppm
Québec	VECD (OEL STEL)	24 mg/m ³
Québec	VECD (OEL STEL) [ppm]	35 ppm
Québec	VEMP (OEL TWA)	17 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	25 ppm
Saskatchewan	OEL STEL [ppm]	35 ppm
Saskatchewan	OEL TWA [ppm]	25 ppm
Yukon	OEL STEL	30 mg/m ³
Yukon	OEL STEL [ppm]	40 ppm
Yukon	OEL TWA	18 mg/m ³
Yukon	OEL TWA [ppm]	25 ppm
Cellulose (9004-34-6)		
USA ACGIH	ACGIH OEL TWA	10 mg/m ³
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
USA NIOSH	NIOSH REL (TWA)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
Alberta	OEL TWA	10 mg/m ³
British Columbia	OEL TWA	10 mg/m ³ (total dust) 3 mg/m ³ (respirable fraction)
Manitoba	OEL TWA	10 mg/m ³
New Brunswick	OEL TWA	10 mg/m ³
Newfoundland & Labrador	OEL TWA	10 mg/m ³
Nova Scotia	OEL TWA	10 mg/m ³
Nunavut	OEL STEL	20 mg/m ³
Nunavut	OEL TWA	10 mg/m ³
Northwest Territories	OEL STEL	20 mg/m ³
Northwest Territories	OEL TWA	10 mg/m ³
Ontario	OEL TWA	10 mg/m ³
Prince Edward Island	OEL TWA	10 mg/m ³
Québec	VEMP (OEL TWA)	10 mg/m ³ (paper fibres-total dust)
Saskatchewan	OEL STEL	20 mg/m ³

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Saskatchewan	OEL TWA	10 mg/m ³
Yukon	OEL STEL	20 mg/m ³
Yukon	OEL TWA	30 mppcf 10 mg/m ³
Ethyl acetate (141-78-6)		
USA ACGIH	ACGIH OEL TWA [ppm]	400 ppm
USA OSHA	OSHA PEL (TWA) [1]	1400 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	400 ppm
USA NIOSH	NIOSH REL (TWA)	1400 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
Alberta	OEL TWA	1440 mg/m ³
Alberta	OEL TWA [ppm]	400 ppm
British Columbia	OEL TWA [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	400 ppm
New Brunswick	OEL TWA	1440 mg/m ³
New Brunswick	OEL TWA [ppm]	400 ppm
Newfoundland & Labrador	OEL TWA [ppm]	400 ppm
Nova Scotia	OEL TWA [ppm]	400 ppm
Nunavut	OEL STEL [ppm]	500 ppm
Nunavut	OEL TWA [ppm]	400 ppm
Northwest Territories	OEL STEL [ppm]	500 ppm
Northwest Territories	OEL TWA [ppm]	400 ppm
Ontario	OEL TWA [ppm]	400 ppm
Prince Edward Island	OEL TWA [ppm]	400 ppm
Québec	VEMP (OEL TWA)	1440 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	400 ppm
Saskatchewan	OEL STEL [ppm]	500 ppm
Saskatchewan	OEL TWA [ppm]	400 ppm
Yukon	OEL STEL	1400 mg/m ³
Yukon	OEL STEL [ppm]	400 ppm
Yukon	OEL TWA	1400 mg/m ³
Yukon	OEL TWA [ppm]	400 ppm
Acetone (67-64-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	250 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	500 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	2400 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	1000 ppm
USA NIOSH	NIOSH REL (TWA)	590 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	250 ppm
USA IDLH	IDLH [ppm]	2500 ppm (10% LEL)
Alberta	OEL STEL	1800 mg/m ³
Alberta	OEL STEL [ppm]	750 ppm
Alberta	OEL TWA	1200 mg/m ³
Alberta	OEL TWA [ppm]	500 ppm
British Columbia	OEL STEL [ppm]	500 ppm
British Columbia	OEL TWA [ppm]	250 ppm
Manitoba	OEL STEL [ppm]	500 ppm

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Manitoba	OEL TWA [ppm]	250 ppm
New Brunswick	OEL STEL	1782 mg/m ³
New Brunswick	OEL STEL [ppm]	750 ppm
New Brunswick	OEL TWA	1188 mg/m ³
New Brunswick	OEL TWA [ppm]	500 ppm
Newfoundland & Labrador	OEL STEL [ppm]	500 ppm
Newfoundland & Labrador	OEL TWA [ppm]	250 ppm
Nova Scotia	OEL STEL [ppm]	500 ppm
Nova Scotia	OEL TWA [ppm]	250 ppm
Nunavut	OEL STEL [ppm]	750 ppm
Nunavut	OEL TWA [ppm]	500 ppm
Northwest Territories	OEL STEL [ppm]	750 ppm
Northwest Territories	OEL TWA [ppm]	500 ppm
Ontario	OEL STEL [ppm]	500 ppm
Ontario	OEL TWA [ppm]	250 ppm
Prince Edward Island	OEL STEL [ppm]	500 ppm
Prince Edward Island	OEL TWA [ppm]	250 ppm
Québec	VECD (OEL STEL)	2380 mg/m ³
Québec	VECD (OEL STEL) [ppm]	1000 ppm
Québec	VEMP (OEL TWA)	1190 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	500 ppm
Saskatchewan	OEL STEL [ppm]	750 ppm
Saskatchewan	OEL TWA [ppm]	500 ppm
Yukon	OEL STEL	3000 mg/m ³
Yukon	OEL STEL [ppm]	1250 ppm
Yukon	OEL TWA	2400 mg/m ³
Yukon	OEL TWA [ppm]	1000 ppm
Toluene (108-88-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift 0.3 mg/g Kreatinin Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background)
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA OSHA	OSHA PEL C [ppm]	300 ppm
USA OSHA	Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift	500 ppm Peak (10 minutes)
USA NIOSH	NIOSH REL (TWA)	375 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	560 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	500 ppm
Alberta	OEL TWA	188 mg/m ³
Alberta	OEL TWA [ppm]	50 ppm
British Columbia	OEL TWA [ppm]	20 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL TWA	188 mg/m ³
New Brunswick	OEL TWA [ppm]	50 ppm

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Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	60 ppm
Nunavut	OEL TWA [ppm]	50 ppm
Northwest Territories	OEL STEL [ppm]	60 ppm
Northwest Territories	OEL TWA [ppm]	50 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	VEMP (OEL TWA)	188 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	60 ppm
Saskatchewan	OEL TWA [ppm]	50 ppm
Yukon	OEL STEL	560 mg/m ³
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	375 mg/m ³
Yukon	OEL TWA [ppm]	100 ppm
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	0.001 ppm (inhalable fraction and vapor)
USA ACGIH	ACGIH OEL STEL [ppm]	0.005 ppm (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer
USA ACGIH	BEI (BLV)	5 µg/g Kreatinin Parameter: Toluenediamine isomers with hydrolysis - Medium: urine - Sampling time: end of shift (nonspecific)
Alberta	OEL C	0.1 mg/m ³
Alberta	OEL Ceiling [ppm]	0.02 ppm
Alberta	OEL TWA	0.04 mg/m ³
Alberta	OEL TWA [ppm]	0.005 ppm
Manitoba	OEL STEL [ppm]	0.005 ppm (inhalable fraction and vapor)
Manitoba	OEL TWA [ppm]	0.001 ppm (inhalable fraction and vapor)
Newfoundland & Labrador	OEL STEL [ppm]	0.005 ppm (inhalable fraction and vapor)
Newfoundland & Labrador	OEL TWA [ppm]	0.001 ppm (inhalable fraction and vapor)
Nova Scotia	OEL STEL [ppm]	0.005 ppm (inhalable fraction and vapor)
Nova Scotia	OEL TWA [ppm]	0.001 ppm (inhalable fraction and vapor)
Ontario	OEL Ceiling [ppm]	0.02 ppm (designated substances regulation (Isocyanates, organic compounds))
Ontario	OEL STEL [ppm]	0.005 ppm (inhalable fraction and vapor)
Ontario	OEL TWA [ppm]	0.005 ppm (designated substances regulation (Isocyanates, organic compounds))
Prince Edward Island	OEL STEL [ppm]	0.005 ppm (inhalable fraction and vapor)
Prince Edward Island	OEL TWA [ppm]	0.001 ppm (inhalable fraction and vapor)
Québec	VECD (OEL STEL)	0.14 mg/m ³ (Toluene diisocyanate (mixed isomers))
Québec	VECD (OEL STEL) [ppm]	0.02 ppm (Toluene diisocyanate (mixed isomers))
Québec	VEMP (OEL TWA)	0.036 mg/m ³ (Toluene diisocyanate (isomers mixture))
Québec	VEMP (OEL TWA) [ppm]	0.005 ppm (Toluene diisocyanate (isomers mixture))
Silicon carbide (409-21-2)		
USA ACGIH	ACGIH OEL TWA	10 mg/m ³ (nonfibrous, inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica) 3 mg/m ³ (nonfibrous, respirable particulate matter, particulate matter containing no asbestos and <1%

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		crystalline silica) 0.1 fibers/cm ³ (as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.-respirable fibers, including whiskers, length >5 µm, aspect ratio >=3:1)
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen fibrous, including whiskers
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
USA NIOSH	NIOSH REL (TWA)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
Alberta	OEL TWA	10 mg/m ³ (nonfibrous-total particulate) 3 mg/m ³ (nonfibrous-respirable particulate) 0.1 fibers/cm ³ (fibrous, including whiskers)
British Columbia	OEL TWA	10 mg/m ³ (nonfibrous-inhalable) 3 mg/m ³ (nonfibrous-respirable) 0.1 fibers/cm ³ (fibrous, including whiskers)
Manitoba	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, inhalable particulate matter, particulate matter) 3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, respirable particulate matter, particulate matter) 0.1 fibers/cm ³ (respirable fibers, including whiskers, with length >5 µm, aspect ratio >=3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.-respirable fibers)
New Brunswick	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Newfoundland & Labrador	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, inhalable particulate matter, particulate matter) 3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, respirable particulate matter, particulate matter) 0.1 fibers/cm ³ (respirable fibers, including whiskers, with length >5 µm, aspect ratio >=3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.-respirable fibers)
Nova Scotia	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, inhalable particulate matter, particulate matter) 3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, respirable particulate matter, particulate matter) 0.1 fibers/cm ³ (respirable fibers, including whiskers, with length >5 µm, aspect ratio >=3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.-respirable fibers)
Nunavut	OEL STEL	20 mg/m ³ (non-fibrous-inhalable fraction) 6 mg/m ³ (non-fibrous-respirable fraction)
Nunavut	OEL TWA	10 mg/m ³ (non-fibrous-inhalable fraction)

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		3 mg/m ³ (non-fibrous-respirable fraction) 0.1 fibers/cm ³ (fibrous, including whiskers-respirable fibres)
Northwest Territories	OEL STEL	20 mg/m ³ (non-fibrous-inhalable fraction) 6 mg/m ³ (non-fibrous-respirable fraction)
Northwest Territories	OEL TWA	10 mg/m ³ (non-fibrous-inhalable fraction) 3 mg/m ³ (non-fibrous-respirable fraction) 0.1 fibers/cm ³ (fibrous, including whiskers-respirable fibres)
Ontario	OEL TWA	10 mg/m ³ (non-fibrous, particulate matter containing no Asbestos and <1% Crystalline silica-inhalable fraction) 3 mg/m ³ (non-fibrous, particulate matter containing no Asbestos and <1% Crystalline silica-respirable fraction) 0.1 fibers/cm ³ (fibrous, including whiskers, fibres >5 µm in length and an aspect ratio >=3:1 as determined by the membrane filter method at 400-450 times magnification (4-mm objective), using phase-contrast illumination-respirable fraction)
Prince Edward Island	OEL TWA	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, inhalable particulate matter, particulate matter) 3 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-nonfibrous, respirable particulate matter, particulate matter) 0.1 fibers/cm ³ (respirable fibers, including whiskers, with length >5 µm, aspect ratio >=3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.-respirable fibers)
Québec	VEMP (OEL TWA)	10 mg/m ³ (non fibrous, containing no Asbestos and <1% Crystalline silica-total dust) 3 mg/m ³ (non fibrous, containing no Asbestos and <1% Crystalline silica-respirable dust)
Saskatchewan	OEL STEL	20 mg/m ³ (nonfibrous, inhalable fraction) 6 mg/m ³ (nonfibrous, respirable fraction)
Saskatchewan	OEL TWA	0.1 fibers/cm ³ (including whiskers-fibrous, respirable fibres) 10 mg/m ³ (nonfibrous, inhalable fraction) 3 mg/m ³ (nonfibrous, respirable fraction)
Yukon	OEL STEL	20 mg/m ³
Yukon	OEL TWA	30 mppcf 10 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

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Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: According to product specification
Odor	: No odors that outgas from this product contain Hazardous Air Pollutants
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability	: No data available
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

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Likely routes of exposure: Inhalation. Eye contact. Dermal.

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

No additional information available

Skin Corrosion/Irritation: Not classified

Eye Damage/Irritation: Not classified (Because of the product's final form, the overall product is not classified for eye damage – dust will cause eye irritation.)

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified (All compounds classified as carcinogens in this product act via inhalation. Because of the product's final form, the overall product is not classified as a carcinogen.)

Specific Target Organ Toxicity (Repeated Exposure): Not classified (All compounds classified as carcinogens in this product act via inhalation. Because of the product's final form, the overall product is not classified as a STOT-RE.)

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: Dust may be harmful or cause irritation.

Symptoms/Injuries After Skin Contact: Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: Prolonged exposure may cause skin irritation, and an allergic reaction in sensitive individuals.

Symptoms/Injuries After Eye Contact: Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Repeated and longterm Contact with dust is unlikely in the event dust is formed it may produce the following symptoms: May cause cancer by inhalation. Causes damage to organs (respiratory organs) through prolonged or repeated exposure (inhalation).

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Methyl ethyl ketone (78-93-3)	
LD50 Oral Rat	2483 mg/kg
LD50 Dermal Rat	> 10 ml/kg
LC50 Inhalation Rat	34.5 mg/l/4h
Aluminum oxide (Al2O3) (1344-28-1)	
LD50 Oral Rat	> 15900 mg/kg
Iron oxide (Fe2O3) (1309-37-1)	
LD50 Oral Rat	> 10000 mg/kg
Ammonium hydroxide (1336-21-6)	
LD50 Oral Rat	350 mg/kg
Ammonia (7664-41-7)	
LD50 Oral Rat	350 mg/kg
LC50 Inhalation Rat	5.1 mg/l (Exposure time: 1 h)
Cellulose (9004-34-6)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5800 mg/m ³ (Exposure time: 4 h)
Ethyl acetate (141-78-6)	
LD50 Oral Rat	5620 mg/kg
LD50 Dermal Rabbit	> 18000 mg/kg
LC50 Inhalation Rat	> 7348 mg/l/4h (calculated off of 6hr test results)
Acetone (67-64-1)	

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LD50 Oral Rat	5800 mg/kg (Species: Sprague-Dawley)
LD50 Dermal Rabbit	7400 mg/kg
LC50 Inhalation Rat	44 g/m ³
Toluene (108-88-3)	
LD50 Oral Rat	2600 mg/kg
LD50 Dermal Rabbit	12000 mg/kg
LC50 Inhalation Rat	25.7 mg/l/4h
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)	
LD50 Oral Rat	3060 mg/kg
LD50 Dermal Rabbit	10000 mg/kg
LC50 Inhalation Rat	0.48 mg/l
Iron oxide (Fe2O3) (1309-37-1)	
IARC Group	3
Toluene (108-88-3)	
IARC Group	3
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)	
IARC Group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Silicon carbide (409-21-2)	
IARC Group	2A
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: This product contains components that are environmentally hazardous and dust may be harmful to aquatic life with long lasting effects.

Methyl ethyl ketone (78-93-3)	
LC50 Fish 1	3130 (3130 – 3320) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	520 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	5091 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Algae	93 mg/l
Aluminum oxide (Al2O3) (1344-28-1)	
LC50 Fish 1	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
ErC50 algae	> 100 mg/l
NOEC (Acute)	> 50 mg/l
Iron oxide (Fe2O3) (1309-37-1)	
LC50 Fish 1	100000 mg/l (Exposure time: 96 h - Species: Danio rerio [static])
Ammonium hydroxide (1336-21-6)	
LC50 Fish 1	8.2 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 - Crustacea [1]	0.66 mg/l (Exposure time: 48 h - Species: water flea)
NOEC Chronic Crustacea	3.47 mg/l
Ammonia (7664-41-7)	
LC50 Fish 1	0.083 mg/l
EC50 - Crustacea [1]	25.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.26 – 4.6 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
Ethyl acetate (141-78-6)	
LC50 Fish 1	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

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LC50 Fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
NOEC Chronic Crustacea	2.4 mg/l
Acetone (67-64-1)	
LC50 Fish 1	4144.846 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	1679.66 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	6210 (6210 – 8120) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	12600 (12600 – 12700) mg/l (Exposure time: 48 h - Species: Daphnia magna)
Toluene (108-88-3)	
LC50 Fish 1	15.22 (15.22 – 19.05) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	5.46 (5.46 – 9.83) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Fish	1.4 mg/l (Oncorhynchus kisutch)
NOEC Chronic Crustacea	0.74 mg/l (Ceriodaphnia dubia)
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)	
LC50 Fish 1	0.358 mg/l
NOEC (Acute)	≥ 1000 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

12.2. Persistence and Degradability

Abrasive Coated Sanding Belts	
Persistence and Degradability	May cause long-term adverse effects in the environment.
Acetone (67-64-1)	
Persistence and Degradability	Readily biodegradable in water.

12.3. Bioaccumulative Potential

Abrasive Coated Sanding Belts	
Bioaccumulative Potential	Not established.
Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.3 (at 40 °C (at pH 7))
Ethyl acetate (141-78-6)	
BCF Fish 1	(30 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	0.73 (at 20 °C (at pH 7))
Acetone (67-64-1)	
BCF Fish 1	(0,69 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	-0.24
Toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2.73 (at 20 °C (at pH 7))
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)	
BCF Fish 1	(180 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	3.43 (at 22 °C (at pH 7))

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Not regulated for transport

14.2. In Accordance with IMDG

Not regulated for transport

14.3. In Accordance with IATA

Not regulated for transport

14.4. In Accordance with TDG

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Methyl ethyl ketone (78-93-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
Aluminum oxide (Al₂O₃) (1344-28-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 % (fibrous forms)
Iron oxide (Fe₂O₃) (1309-37-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Ammonium hydroxide (1336-21-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	1000 lb
Ammonia (7664-41-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
SARA Section 313 - Emission Reporting	1 % (includes anhydrous Ammonia and aqueous Ammonia from water dissociable Ammonium salts and other sources, 10% of total aqueous Ammonia is reportable under this listing)
Cellulose (9004-34-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
Ethyl acetate (141-78-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
Acetone (67-64-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb

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Toluene (108-88-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	0.1 %
Silicon carbide (409-21-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

15.2. US State Regulations

California Proposition 65

 **WARNING:** This product can expose you to Benzene, 1,3-diisocyanatomethyl-, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Toluene (108-88-3)		X		
Benzene, 1,3-diisocyanatomethyl- (26471-62-5)	X			

Methyl ethyl ketone (78-93-3)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Aluminum oxide (Al2O3) (1344-28-1)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Iron oxide (Fe2O3) (1309-37-1)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
Ammonium hydroxide (1336-21-6)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Ammonia (7664-41-7)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Cellulose (9004-34-6)

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U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Ethyl acetate (141-78-6)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Acetone (67-64-1)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Toluene (108-88-3)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Benzene, 1,3-diisocyanatomethyl- (26471-62-5)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Silicon carbide (409-21-2)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

15.3. Canadian Regulations

Methyl ethyl ketone (78-93-3)

Listed on the Canadian DSL (Domestic Substances List)

Aluminum oxide (Al₂O₃) (1344-28-1)

Listed on the Canadian DSL (Domestic Substances List)

Iron oxide (Fe₂O₃) (1309-37-1)

Listed on the Canadian DSL (Domestic Substances List)

Ammonium hydroxide (1336-21-6)

Listed on the Canadian DSL (Domestic Substances List)

Ammonia (7664-41-7)

Listed on the Canadian DSL (Domestic Substances List)

Cellulose (9004-34-6)

Listed on the Canadian DSL (Domestic Substances List)

Ethyl acetate (141-78-6)

Listed on the Canadian DSL (Domestic Substances List)

Acetone (67-64-1)

Listed on the Canadian DSL (Domestic Substances List)

Toluene (108-88-3)

Listed on the Canadian DSL (Domestic Substances List)

Benzene, 1,3-diisocyanatomethyl- (26471-62-5)

Listed on the Canadian DSL (Domestic Substances List)

Silicon carbide (409-21-2)

Listed on the Canadian DSL (Domestic Substances List)

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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 10/21/2022

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H221	Flammable gas
H225	Highly flammable liquid and vapor
H290	May be corrosive to metals
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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.

NA GHS SDS 2015 (Can, US)