



<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Supplemental information</b>	Although the product as a whole is in solid format, the product does not meet the OSHA HCS definition of a flammable solid as per Appendix B to 1910.1200 - Physical Hazard Criteria, section B.7.1 and B. 7.2 or Canada's Hazardous Products Regulations Subpart 7.
<b>Other hazards</b>	None known.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Methyl propyl ketone		107-87-9	≥ 90
Isobutyl methyl ketone		108-10-1	≤ 10

**Composition comments** All concentrations are in percent by weight.

### 4. First-aid measures

**Inhalation** Not relevant, due to the form of the product. However: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** Not relevant, due to the form of the product. However: If ingestion occurs: Rinse mouth. Get medical advice/attention if you feel unwell.

**Most important symptoms/effects, acute and delayed** Direct contact with eyes causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. May cause respiratory irritation. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** May burn with invisible flame. Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. Carbon oxides. Aldehydes. Ketones. Organic compounds.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** In case of fire and/or explosion do not breathe fumes. Cool containers exposed to flames with water. Move containers from fire area if you can do so without risk.

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

**General fire hazards** Solid containing highly flammable liquid and vapour.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. The liquid solvent solution is miscible in water. Spills are very unlikely, because the wiper fabric has absorbed the liquid solvent solution. In the event of a spill, contain with an inert absorbent. Collect the wipes with a non sparking tool and absorb or wipe any residual liquids. Used wipes must be disposed in a closed container.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**7. Handling and storage**

**Precautions for safe handling**

WARNING! Used wipes may catch fire if improperly discarded or stored near ignition sources. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Keep away from combustible material. Keep container closed when not in use. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values (TLV)**

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Methyl propyl ketone (CAS 107-87-9)	STEL	150 ppm

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

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	307 mg/m3
		75 ppm
	TWA	205 mg/m3
Methyl propyl ketone (CAS 107-87-9)	STEL	50 ppm
		881 mg/m3
	TWA	250 ppm
		705 mg/m3
		200 ppm

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Methyl propyl ketone (CAS 107-87-9)	STEL	250 ppm
	TWA	150 ppm

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

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Methyl propyl ketone (CAS 107-87-9)	STEL	150 ppm

**Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)**

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Methyl propyl ketone (CAS 107-87-9)	STEL	150 ppm

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended**

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Methyl propyl ketone (CAS 107-87-9)	STEL	150 ppm

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

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
Methyl propyl ketone (CAS 107-87-9)	TWA	530 mg/m <sup>3</sup>
		150 ppm

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

Components	Type	Value
Isobutyl methyl ketone (CAS 108-10-1)	15 minute	75 ppm
	8 hour	50 ppm
Methyl propyl ketone (CAS 107-87-9)	15 minute	250 ppm
	8 hour	200 ppm

**Biological limit values****ACGIH Biological Exposure Indices (BEI)**

Components	Value	Determinant	Specimen	Sampling Time
Isobutyl methyl ketone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*

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

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Not necessary under normal conditions. If splashing is possible, wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves. Take note of the information given by the manufacturer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Recommended materials: Polyethylene. Neoprene. Chlorinated polyethylene (or Chlorosulfonated polyethylene). Natural rubber. Polyvinyl chloride (PVC). Nitrile rubber/Nitrile latex - NBR. Ethyl vinyl alcohol laminate ("EVAL").

Unsuitable materials: Polyvinyl alcohol (PVA).

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Chemical respirator with organic vapour cartridge and full facepiece. Selection and use of respiratory protective equipment should be in accordance with CSA Standard Z94.4. Check with respiratory protective equipment suppliers.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Physical state**

Liquid.

**Form**

Wipes saturated with liquid.

**Colour**

Colourless.

**Odour**

Alcoholic

**Odour threshold**

Property has not been measured.

**Melting point/freezing point**

-78 °C (-108.4 °F) (methyl propyl ketone)

**Boiling point or initial boiling point and boiling range**

101 °C (213.8 °F) (methyl propyl ketone)

**Flammability**

Solid containing highly flammable liquid.

**Upper/lower flammability or explosive limits**

**Explosive limit - lower (%)** 1.56 % (methyl propyl ketone)

**Explosive limit – upper (%)** 8.7 % (methyl propyl ketone)

**Flash point**

8 °C (46.4 °F) Tag closed cup (methyl propyl ketone)

**Auto-ignition temperature**

449 °C (840.2 °F) (methyl propyl ketone)

**Decomposition temperature**

Property has not been measured.

**pH**

Property has not been measured.

**Kinematic viscosity**

Property has not been measured.

**Solubility**

**Solubility (water)** Moderately soluble (1.0 - <10%)

**Partition coefficient (n-octanol/water) (log value)**

Not applicable for mixtures.

**Vapour pressure**

37 mbar (methyl propyl ketone) (20 °C (68 °F))

**Density and/or relative density**

**Relative density** 0.81 (20 °C (68 °F))

**Vapour density**

2.9 (Air=1) (methyl propyl ketone)

**Particle characteristics**

Not applicable.

**Other information**

The product is supplied as impregnated wipes. The physico-chemical properties indicated below refer to the impregnating liquid and not to the solid

**Evaporation rate**

2.3 (butyl acetate = 1) (methyl propyl ketone)

<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.
<b>Percent volatile</b>	100 %
<b>Viscosity</b>	Property has not been measured.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Exposure to air. Static accumulation. Protect against direct sunlight.
<b>Incompatible materials</b>	Amines. Strong acids. Strong bases. Strong oxidising agents. Strong reducing agents.
<b>Hazardous decomposition products</b>	Thermal decomposition or combustion may produce: Carbon oxides. Aldehydes. Ketones. Organic compounds.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause respiratory irritation. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes mild skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. May cause respiratory irritation. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

### Information on toxicological effects

**Acute toxicity** Harmful if swallowed.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
Presaturated wipes containing Methyl Propyl Ketone (CAS Mixture)		
<b>Acute</b>		
<b>Inhalation</b>		
<i>Vapour</i>		
ATEmix		110 mg/l
<b>Oral</b>		
ATEmix		1684 mg/kg bw
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Isobutyl methyl ketone (CAS 108-10-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 16000 mg/kg
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	11 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	3200 mg/kg
Methyl propyl ketone (CAS 107-87-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	6500 mg/kg

Components	Species	Test Results
<b>Oral</b>		
LD50	Rat	1600 - 3200 mg/kg
<b>Chronic</b>		
<b>Other</b>		
NOAEL	Rat	454 mg/kg dw
<b>Skin corrosion/irritation</b>	Causes mild skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitisation</b>		
<b>Respiratory sensitisation</b>	Not a respiratory sensitiser.	
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.	
<b>ACGIH Carcinogens</b>		
Isobutyl methyl ketone (CAS 108-10-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - Manitoba OELs: carcinogenicity</b>		
Isobutyl methyl ketone (CAS 108-10-1)	Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - New Brunswick OELs: Carcinogen category</b>		
Isobutyl methyl ketone (CAS 108-10-1)	A3: Confirmed animal carcinogen	
<b>Canada - Quebec OELs: Carcinogen category</b>		
Isobutyl methyl ketone (CAS 108-10-1)	Detected carcinogenic effect in animals.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Isobutyl methyl ketone (CAS 108-10-1)	2B Possibly carcinogenic to humans.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Isobutyl methyl ketone (CAS 108-10-1)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) 3682 mg/l, 24 hours
Fish	LC50	Pimephales promelas 505 mg/l, 96 Hours
<i>Chronic</i>		
Crustacea	EC50	Daphnia magna 78 mg/l, 21 days
Fish	NOEC	Pimephales promelas 57 mg/l, 31 days
Methyl propyl ketone (CAS 107-87-9)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Pseudokirchnerella subcapitata 308.8 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna > 1000 mg/l, 48 Hours

Components	Species	Test Results
Fish	LC50	Fathead minnow (Pimephales promelas)
		1240 mg/l, 96 Hours
<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.	
<b>Bioaccumulative potential</b>	Bioconcentration potential is low.	
<b>Partition coefficient n-octanol / water (log Kow)</b>		
Isobutyl methyl ketone (CAS 108-10-1)		1.31
Methyl propyl ketone (CAS 107-87-9)		0.91
<b>Mobility in soil</b>	This product is moderately water soluble and may disperse in soil.	
<b>Other adverse effects</b>	The product contains volatile organic compounds which have a photochemical ozone creation potential.	

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. Used wipes must be disposed in a closed container. Dispose of used wipes by dry waste to landfill.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	D001: Waste Flammable material with a flash point <140 °F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

<b>TDG</b>	
<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Methyl propyl ketone, Isobutyl methyl ketone), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary hazard</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	No.
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>IATA</b>	
<b>UN number</b>	-
<b>UN proper shipping name</b>	IATA: Not permitted for transport.
<b>Transport hazard class(es)</b>	
<b>Class</b>	-
<b>Subsidiary hazard</b>	-
<b>Packing group</b>	-
<b>Environmental hazards</b>	No.
<b>Special precautions for user</b>	IATA classification is not relevant as the material is not transported by air.
<b>IMDG</b>	
<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (Methyl propyl ketone, Isobutyl methyl ketone), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary hazard</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-E, S-E
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada Controlled Drugs and Substances Act, Schedule I**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule II**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule III**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule IV**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule V**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule VI**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule VII**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule VIII**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

### International regulations

**Stockholm Convention**

Not listed.

**Rotterdam Convention**

Not listed.

**Kyoto Protocol**

Not listed.

**Montreal Protocol**

Not listed.

**Basel Convention**

Not listed.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 29-May-2026

**Revision date** -

**Version No.** 01

**Further information** Further contact:  
Maclsaac & Associates  
440 Gloucester Street, Suite 2111  
Ottawa, Ontario, K1R 7T8 Canada  
+1 (613) 236-2250

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