


# Safety Data Sheet

Section 1 Identification		
<b>Product Name</b>	Acetone	<b>Version: 8</b> <b>Effective Date:</b> 25 January 2021
<b>Other Means Of Identification</b>	2-Propanone	
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
<b>Recommended Use and Restrictions On Use</b>	Industrial Solvent. No restrictions.	
<b>Product Family</b>	Solvent	
<b>Emergency Phone</b>	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	
<b>Physical Hazard</b>	Flammable Liquids – Category 2
<b>Health Hazard</b>	Skin Corrosion/Irritation - Category 2 Eye Damage/Irritation - Category 2A Specific Target Organ Toxicity (Single Exposure) - Category 3
<b>Signal Word</b>	Danger!
<b>Hazard Statement</b>	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation; or may cause drowsiness or dizziness.
<b>Precautionary Prevention Statement</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves, clothing, eye and face protection. Wash hands thoroughly after

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	<p>handling. Do not breathe dust, fume, gas, mist, vapours or spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.</p> <p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.</p>
<b>Precautionary Response Statement</b>	<p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse and wash skin with water or shower if on clothing. In case of fire: Use foam, carbon dioxide, dry chemical to extinguish. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell. Get medical attention if you feel unwell.</p>
<b>Precautionary Storage Statement</b>	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
<b>Precautionary Disposal Statement</b>	Dispose of contents/container in accordance to local regulations.

### Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS No. and Other Unique Identifiers	% by weight
Acetone	2-propanone;	67-64-1	100

### Section 4. First-Aid Measures

<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Flush area with water. If skin is damaged seek immediate medical attention. If irritation persists seek medical attention. Launder clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Irritation. Headache. Nausea. Shortness of breath.

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<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically
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<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable and Unsuitable Extinguishing Media</b>	Foam, carbon dioxide, dry chemical. Water may be ineffective.
<b>Hazardous Combustion Products</b>	Carbon monoxide
<b>Specific Hazards Arising From the Product</b>	Decomposition at elevated temperatures releases oxides of carbon.
<b>Special Protective Equipment and Precautions For Fire-Fighters</b>	Fire-fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire. May ignite if static discharge.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves (neoprene), goggles or face shield, coveralls (flameproof), footwear appropriate for worksite. Air purifying respirator (organic vapours / mists) if exposure limits are being exceeded. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.
<b>Environmental Precautions</b>	Do not allow to enter any surface water courses or drains and sewers. Product may collect in low places. Remove all sources of ignition and naked flames.
<b>Methods and Materials for Containment and Clean-Up</b>	With all sources of ignition removed and wearing correct protective apparel, close area and remove all personnel not required for clean up. Pump up large volumes of product, or soak up smaller amounts with an absorbent. Place collected material in a suitable container for disposal. Wash area down with soap and water to remove residues.

<b>Section 7. Handling and Storage</b>	
<b>Precautions For Safe Handling</b>	Handle with care. Flammable liquid. Containers should be grounded to prevent static discharge.
<b>Conditions For Safe Storage</b>	Store in a cool dry place away from any sources of ignition.

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Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH*
Acetone	2400 ppm OSHA	750 ppm ACGIH		
* Immediately Dangerous to Life and Health				
Exposure Controls	Local exhaust ventilation to maintain exposure levels below legal limits.			
Appropriate Engineering Controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.			
Individual Protective Measures				
Eye / Face Protection	Goggles			
Skin Protection	Chemical resistant gloves, coveralls			
Respiratory Protection	Air purifying respirator fitted with cartridges (organic vapours / mists) must worn if exposure limits are being exceeded.			

Section 9. Physical and Chemical Properties	
Appearance	Clear, colourless liquid
Odour	Sweet
Odour Threshold	Not available.
pH	7
Flash Point	-17 °C
Boiling Point and Boiling Range	56 °C
Melting Point and Freezing Point	-94 °C
Evaporation Rate	5.6 – 6.06 (ASTM D 3539)
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	2% to 13%
Vapour Pressure	231 mmHg @ 25 °C
Vapour Density	2.0 (air =1) @ 20 °C
Relative Density	0.792 @ 20 °C
Solubility	Completely soluble in water

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<b>Partition co-efficient, n-Octanol/Water</b>	Log Pow:-0.24
<b>Auto Ignition Temperature</b>	465 °C
<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	0.32 mPa.s @ 25 °C

Section 10. Stability and Reactivity	
<b>Reactivity</b>	No dangerous reaction known under conditions of normal use
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Open flames and sources of ignition
<b>Incompatible Materials</b>	Strong oxidising agents. Strong reducing agents.
<b>Hazardous Decomposition Products</b>	Not expected to decompose under normal conditions of use.

Section 11. Toxicological Information			
<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Acetone	5.2 g/kg (Rat)	>7.426 g/kg (Rat)	76 ppm (Rat), 4h
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	May cause mild irritation.		
<b>Eyes:</b>	May cause irritation. Symptoms may include – burning, redness, swelling, tearing and blurred vision.		
<b>Inhalation:</b>	Not classified.		
<b>Ingestion:</b>	Not classified		
<b>Acute Toxicity Estimates (ATE)</b>	Acute Toxicity (Oral LD50): mg/kg (oral rat) 5800 Acute Toxicity (Inhalation LC50): mg/l (vapours) (8h) 50100 Acute Toxicity (Dermal LD50): mg/kg Rabbit 20000		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	May cause drowsiness or dizziness		
<b>Aspiration Toxicity</b>	Not classified		
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified		



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<b>Skin Corrosion / Irritation</b>	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
<b>Serious Eye / Irritation</b>	Causes eye irritation.
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Carcinogenicity</b>	not classified as human carcinogen.
<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	Not classified
- <b>Development of Offspring</b>	Not classified
- <b>Effects on or via Lactation</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified.
<b>Interactive Effects</b>	None known
<b>Other Information</b>	None known

Section 12. Ecological Information	
<b>Ecotoxicity</b>	LC50 (Oncorhynchus mykiss (rainbow trout)): 6,100 mg/l, 48h
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	Particioning coefficient log Pow: -0.24
<b>Biodegradability</b>	Readily biodegradable. Oxidises by photo-chemical reactions in air.
<b>Mobility in Soil</b>	No data
<b>Other Adverse Effects</b>	None known

Section 13. Disposal Considerations	
<b>Disposal Considerations</b>	Dispose of contents / container in accordance with local regulations.

Section 14. Transport Information	
<b>UN Number</b>	1090
<b>UN Proper Shipping Name</b>	Acetone
<b>Transport Hazard Class(es)</b>	3
<b>Packaging Group</b>	II
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable

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<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	130

### Section 15. Regulatory Information

<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
<b>Additional Information</b>	None

### Section 16. Other Information

<b>NFPA Rating</b>	Health-2/ Flammability-3/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-2/Flammability-3/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	
<b>Date of Latest Revision:</b>	25 January 2021

#### Disclaimer

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