


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Acetic Acid 12%</b>	<b>Version: 6</b> <b>Effective Date: September 5th, 2017</b>
<b>Other Means Of Identification</b>	None	
<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 acid, reactant, chemical intermediate. No restrictions.	
<b>Product Family</b>	Blend	
<b>24 Hour Emergency</b>	Canutec (613) 996-6666	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	 Skin Irritation – Category 2 Eye Irritation – Category 2
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes serious skin and eye irritation.
<b>Precautionary Prevention Statement</b>	Do not breathe mist, vapours, spray. Wear protective gloves, eye protection.
<b>Precautionary Response Statement</b>	Wash exposed skin thoroughly after handling. <b>IF SWALLOWED:</b> rinse mouth. Do NOT induce vomiting. <b>IF ON SKIN (or hair):</b> Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. <b>IF INHALED:</b> remove victim to fresh air and keep at rest in a position comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
<b>Precautionary Disposal Statement</b>	Dispose of contents/container to comply with local, state and federal regulations.



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<b>Precautionary Storage Statement</b>	Store locked up.
<b>Other Hazards</b>	None

### Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS No. and Other Unique Identifiers	% by weight
Acetic Acid		64-19-7	12

### Section 4. First-Aid Measures

<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Wash skin with water.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Rinse mouth with water if conscious. 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>	Causes severe skin burns and eye damage.
<b>Immediate Medical Attention and Special Treatment</b>	Rinse with plenty of water. Assure fresh air breathing. Allow the victim to rest. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

### Section 5. Fire-Fighting Measures

<b>Suitable and Unsuitable Extinguishing Media</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Hazardous Combustion Products</b>	Oxides of carbon.
<b>Specific Hazards Arising From the Product</b>	None known
<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.

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<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Safety glasses. Gloves. Protective clothing. Good housekeeping practices should be employed. Ensure adequate ventilation. Secure area and evacuate unnecessary personnel.. Surface might become slippery.
<b>Environmental Precautions</b>	Not environmentally hazardous.
<b>Methods and Materials For Containment and Clean-Up</b>	Neutralise with sodium carbonate or crushed limestone. Absorb with an inert dry material and place in an appropriate container for waste disposal. Flush area with water to remove trace residues.

<b>Section 7. Handling and Storage</b>	
<b>Precautions For Safe Handling</b>	Handle with care. Good housekeeping practices should be employed.
<b>Conditions For Safe Storage</b>	Store in a cool, dry, well ventilated area. Keep containers closed when not in use. Store out of direct sunlight and on an impermeable floor.

<b>Section 8. Exposure Controls / Personal Protection</b>				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>
Acetic Acid	10 ppm	15 ppm		50 ppm
	OSHA * Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure eye wash station and safety shower are available			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protection</b>	Wear chemical safety goggles, gloves and protective clothing.			
<b>Skin Protection</b>	Gloves			
<b>Respiratory Protection</b>	Not required under normal conditions of use			

<b>Section 9. Physical and Chemical Properties</b>	
<b>Appearance</b>	Clear, colourless, liquid
<b>Odour</b>	Vinegar odour
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	2.4
<b>Flash Point</b>	>90 °C



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<b>Boiling Point and Boiling Range</b>	100 °C
<b>Melting Point and Freezing Point</b>	-5 °C
<b>Evaporation Rate</b>	Not determined
<b>Flammability (solid, gas)</b>	N/A
<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	No data
<b>Vapour Density</b>	2.1
<b>Relative Density</b>	1.01
<b>Solubility</b>	Soluble
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Auto-ignition Temperature</b>	No data
<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	No data

### Section 10. Stability and Reactivity

<b>Reactivity</b>	Reacts with carbonates. Thermal decomposition generates corrosive vapours
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	None
<b>Conditions to Avoid</b>	Contact with common metals will produce flammable hydrogen gas.
<b>Incompatible Materials</b>	Oxidising agents, common metals (not aluminum), chromic acid, sulphuric acid, hydrogen peroxide, alkalis, carbonates, strong bases, amines, phosphorus trichloride
<b>Hazardous Decomposition Products</b>	Under normal storage condition decomposition will not occur.

### Section 11. Toxicological Information

<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
<b>Acetic Acid</b>	47.286 g/kg (Rat)	15.143 g/kg (Rabbit)	
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	Irritating.		
<b>Eyes:</b>	Irritating.		
<b>Inhalation:</b>	Irritating.		
<b>Ingestion:</b>	None expected.		
<b>Acute Toxicity Estimates (ATE)</b>	Not toxic		



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<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified
<b>Aspiration Toxicity</b>	Not classified
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified
<b>Skin Corrosion / Irritation</b>	Causes skin irritation
<b>Serious Eye Damage / Irritation</b>	Causes serious eye irritation
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Carcinogenicity</b>	Not listed.
<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 Adverse Effects</b>	Nine known

### Section 12. Ecological Information

<b>Ecotoxicity</b>	Acetic acid: LC50: 423 mg/l (goldfish) LC50: 75 mg/l (bluegill sunfish) LC50: 88 mg/l (fathead minnow).
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	Will not accumulate
<b>Biodegradability</b>	This product is biodegradable
<b>Mobility in Soil</b>	No data,
<b>Special Remarks</b>	BOD: 5 day = 63 – 81 %
<b>Other Adverse Effects</b>	None known

### Section 13. Disposal Considerations

<b>Disposal Considerations</b>	Dispose of contents / containers in accordance with local regulations.
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## Safety Data Sheet

Section 14. Transport Information	
<b>UN Number</b>	2790
<b>UN Proper Shipping Name</b>	Acetic acid solution (with more than 10 percent and less than 50 percent acid, by mass)
<b>Transport Hazard Class(es)</b>	8
<b>Packaging Group</b>	III
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	Not applicable

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-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	6 July, 2012
<b>Date of Latest Revision:</b>	September 5th, 2017

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### **Disclaimer**

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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