

Safety Data Sheet

Section 1. Identification		
Product Identifier	Vinegar	Version: 6 Effective Date: 23 February, 2016
Other Means Of Identification	None	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Industrial acid, reactant, chemical intermediate. No restrictions.	
Product Family	Blend	
24 Hour Emergency	Canutec (613) 996-6666	

Section 2. Hazard Identification	
Hazard Classification	Not a regulated product
Signal Word	None
Hazard Statement	None
Precautionary Prevention Statement	Non Hazardous
Precautionary Response Statement	Non Hazardous
Precautionary Disposal Statement	Non Hazardous
Precautionary Storage Statement	Non Hazardous
Other Hazards	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	4 - 6



Manufacturer of Specialty Chemicals

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Section 4. First-Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Wash skin with water.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	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.
Most Important Symptoms and Effects Both Acute and Delayed	May cause slight eye irritation.
Immediate Medical Attention and Special Treatment	Rinse with plenty of water.

Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Use dry chemical, CO ₂ , water spray (fog) or foam.
Hazardous Combustion Products	Oxides of carbon.
Specific Hazards Arising From the Product	None known
Special Protective Equipment and Precautions For Fire-Fighters	Fire fighters should wear self contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Protective equipment is not required under normal conditions of use. Good housekeeping practices should be employed. Ensure adequate ventilation. Secure area. Surface might become slippery.
Environmental Precautions	Not environmentally hazardous.
Methods and Materials For Containment and Clean-Up	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.

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Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care. Good housekeeping practices should be employed.
Conditions For Safe Storage	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.

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

Section 9. Physical and Chemical Properties	
Appearance	Clear, colourless, liquid
Odour	Vinegar odour
Odour Threshold	Not applicable
pH	2.4
Flash Point	>100 °C
Boiling Point and Boiling Range	100 °C
Melting Point and Freezing Point	-2.2 °C
Evaporation Rate	Not determined
Flammability (solid, gas)	N/A
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	2.1
Relative Density	1.01
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data

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Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Reacts with carbonates
Chemical Stability	The product is stable
Possibility of Hazardous Reactions	None
Conditions to Avoid	Contact with common metals will produce flammable hydrogen gas.
Incompatible Materials	Oxidising agents, common metals (not aluminum), chromic acid, sulphuric acid, hydrogen peroxide, alkalis, carbonates, strong bases, amines, phosphorus trichloride
Hazardous Decomposition Products	Under normal storage condition decomposition will not occur.

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetic Acid	47.286 g/kg (Rat)	15.143 g/kg (Rabbit)	
Likely Routes of Exposure			
Skin:	None expected.		
Eyes:	None expected.		
Inhalation:	None expected.		
Ingestion:	None expected.		
Acute Toxicity Estimates (ATE)	Not toxic		
STOT (Specific Target Organ Toxicity) – Single Exposure	Not classified		
Aspiration Toxicity	Not classified		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	Not classified		
Serious Eye Damage / Irritation	May cause mild irritation		
Respiratory or Skin Sensitization	Not classified		
Carcinogenicity	Not listed.		
Reproductive Toxicity			



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- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	None known
Other Adverse Effects	Nine known

Section 12. Ecological Information	
Ecotoxicity	Acetic acid: LC50: 423 mg/l (goldfish) LC50: 75 mg/l (bluegill sunfish) LC50: 88 mg/l (fathead minnow).
Persistence and Degradability	Will not persist
Bioaccumulative Potential	Will not accumulate
Biodegradability	This product is biodegradable
Mobility in Soil	No data,
Special Remarks	BOD: 5 day = 63 – 81 %
Other Adverse Effects	None known

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of contents / containers in accordance with local regulations.

Section 14. Transport Information	
UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class(es)	None
Packaging Group	None
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	Not applicable

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Section 15. Regulatory Information	
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information	
NFPA Rating	Health-0/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-0/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	6 July, 2012
Date of Latest Revision:	23 February, 2016
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