



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION:

Product Name: Acetic Acid, 92%

Trade Name: Same

Product Use: Industrial Applications, Food Additive, Textile Industry, and Consumer Products.

Supplier Name & Address:

FLOCHEM LTD.

6986 Wellington Rd. 124
Guelph, Ontario, N1H 6J4

Emergency Phone Number:

877-378-7745

Effective Date: October 20, 2014

SECTION 2 - COMPOSITION/INFORMATION INGREDIENTS:

	<u>CAS#</u>	<u>Wt%</u>	<u>Exposure Limits</u>
Acetic Acid	64-19-7	60-100	TWA: 10 (ppm) from OSHA (PEL) (U.S.) STEL: 15 (ppm) from ACGIH (TLV) (U.S.)

SECTION 3 - HAZARDS IDENTIFICATION:

DANGER CORROSIVE:

May cause severe burns to body tissues. Flammable liquid and vapours.

Route of Entry:

Eyes:

Severe eye irritant, may cause chemical burns and result in blindness.

Skin:

Contact with skin can be extremely hazardous. May cause burning and blistering.

Ingestion:

May cause burns to mouth, throat and stomach.

Inhalation:

Lung irritant, hazardous if inhaled. Will cause irritation to respiratory tract.

(See Section 11 for Toxicological Information)

SECTION 4 - FIRST AID:

Eye Contact: Immediately flush eyes with cold, running water for at least 15-20 minutes. Seek medical attention immediately.

Skin Contact: Immediately wash skin with plenty of soap and water for a minimum of 15-20 minutes while removing contaminated clothing. Wash clothing prior to reuse. Seek medical attention immediately.

Ingestion: If product is ingested, have victim drink water or milk. **DO NOT** induce vomiting. If victim is unconscious, do not give anything by mouth. Seek medical attention immediately.

Inhalation: If product is inhaled, remove victim to fresh air. Aid in breathing with oxygen if necessary. If victim is unconscious give artificial respiration. Seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES:

Flammability of Product: Flammable

Auto-Ignition Temperature: 463°C (865.4°F)

Flammable Limits: Lower: 4% Upper: 19.9%

Combustible Products: Carbon Oxides (C_o, C_{o2})

Fire Hazards: Highly flammable in presence of open flames and sparks, heat and combustible materials.

Extinguishing

Media: Use water spray, fog or foam. Do not use water jet. Water diluted acid can react with metals to form Hydrogen Gas.

Note: Wear protective clothing and approved respirator.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

In case of a leak or spill of Acetic Acid, product can be diluted with water and then absorbed with an inert Material (*earth or sand*). Product may be neutralized with a dilute solution of Sodium Carbonate. Prevent entry into sewers and dike if necessary. Call for assistance on disposal. Keep away from ignition sources.

SECTION 7 - HANDLING & STORAGE:

Keep containers tightly sealed and away from heat, open flame and other ignition sources. Use explosion-proof equipment and ground containers before transfer. Containers should be stored in a cool, well-ventilated area, segregated from other products. Have a safety shower close to work area.

SECTION 8 - EXPOSURE CONTROLS:

Engineering Controls:

Provide adequate ventilation and locate eyewash and safety showers in close proximity to working area.

Personal Protection:

Chemical goggles, full protective chemical suit, chemical gloves, boots and respirator should be worn when handling this product.

SECTION 9 - PHYSICAL PROPERTIES:

Physical State:	Clear, Colourless Liquid
Odour:	Acrid, Vinegar Odour
Specific Gravity (Water=1):	1.046
Vapour Pressure (mmHg):	11.0 @ 20°C
Vapour Density (Air=1):	2.1
Evaporation Rate:	0.97
Boiling Point:	115°C
pH:	Acidic

SECTION 10 - STABILITY & REACTIVITY:

This product is stable. Hazardous polymerization will not occur.
Product is incompatible with strong oxidizers such as Nitric Acid, Sodium Peroxide, Hydroxides and Phosphates. Reactive with oxidizing agents.

SECTION 11 - TOXICOLOGICAL INFORMATION:

Very hazardous if contact is made with skin, (irritant), if inhaled will cause lung irritation.
May cause damage to the following organs: Lungs, Skin, Eyes, and Stomach.

Effects, Acute Exposure:

- Skin Contact: May irritate
- Eye Contact: May irritate
- Inhalation: May irritate, but low vapour pressure makes this unlikely

Toxicity to Animals:

Acute oral toxicity (LD50): 3310 mg/kg. (Rat).
Acute dermal toxicity (LD50): 1060 mg/kg (Rabbit)

SECTION 12 - ECOLOGICAL CONSIDERATIONS:

Possibly hazardous, short/long term degradation products are to be expected.

SECTION 13- DISPOSAL CONSIDERATIONS:

Dispose of waste in accordance with Municipal, Provincial and Federal Environmental Regulations.

SECTION 14 - TRANSPORT INFORMATION:

TDG Classification: Acetic Acid Solution, Class 8 (3), Corrosive, Flammable, UN 2789, PG II

SECTION 15 - REGULATORY INFORMATION:

WHMIS Classification: Class E, Class B-3, Class D-2A
On the DSL

SECTION 16 - OTHER INFORMATION:

Disclaimer:

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO THE BEST OF OUR KNOWLEDGE, TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF.

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