

# MATERIAL SAFETY DATA SHEET

## PRODUCT NAME: Acetic Acid 15%

### SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

**SUPPLIER:** MAUNCO CLEANING SUPPLIES WAREHOUSE  
270 Adam Street, BELLEVILLE, ON K8N 5S4, CANADA

**PREPARED BY:** Technical Department  
**VERSION DATE:** 01-Jul-15  
**TELEPHONE NO.:** 1-613-962-0437  
**EMERGENCY PHONE NO.:** 1-613-962-0437

**CHEMICAL FAMILY:** Not Available      **CHEMICAL FORMULA:** Not Applicable  
**MOLECULAR WEIGHT:** Not Applicable      **MATERIAL USE:** Please Refer to technical literature

**SYNONYMS:**

### SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Acetic Acid	8-15	64-19-7	Dermal (Rabbit) 1060 mg/kg	Inhalation (Rat) 11.4 mg/L	10 ppm

### SECTION 03: HAZARD IDENTIFICATION

#### ROUTE OF ENTRY

**Eyes:** Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes.

**Skin:** Skin contact may produce irritation

**Inhalation:** Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

**Ingestion:**

### SECTION 04: FIRSTAID

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Inhalation, Acute:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Notes to physician:** N.Av.

### SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

<b>FLAMMABLE?</b>	No
<b>IF YES, UNDER WHICH CONDITIONS?</b>	
<b>FLASH POINT (TCC) (C):</b>	Not Available
<b>FLAMMABLE LIMITS:</b>	<b>LEL(% BY VOL.):</b> Not Available <b>UEL(% BY VOL):</b> Not Available
<b>AUTO IGNITION TEMPERATURE (C)</b>	Not Available
<b>EXTINGUISHING MEDIA</b>	
<b>SPECIAL PROCEDURES:</b>	Dilute acetic acid and dilute hydrogen can undergo an exothermic reaction if heated, forming peracetic acid which is explosive at 110 degrees C. Reaction between chlorine trifluoride and acetic acid is very violent, sometimes explosive. (Acetic acid)
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not Available
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b>	Acetic acid vapors may form explosive mixtures with air.
<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not Available
<b>SENSITIVITY TO MECHANICAL IMPACT:</b>	Not Available

#### SECTION 06: ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedure:** Small Spill:  
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:  
Corrosive liquid.  
Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

#### SECTION 07: HANDLING AND STORAGE

##### Handling Procedures and Storage Requirements

**Precautions:**

Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

#### SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

<b>GLOVES/TYPE:</b>	Impervious chemical resistant gloves & boots.		
<b>RESPIRATOR/TYPE:</b>	A NIOSH/MSHA respirator with organic vapor cartridge.		
<b>EYE/TYPE:</b>	Safety glasses.		
<b>OTHER/TYPE:</b>	Not Available		
<b>ENGINEERING CONTROL</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.		

#### SECTION 09: PHYSICAL AND CHEMICAL PROPERTIE

<b>PHYSICAL STATE/APPEARANCE:</b>	Liquid	<b>ODOUR THRESHOLD:</b>	.48 ppm
<b>ODOUR:</b>	Pungent	<b>VAPOUR DENSITY (Air=1):</b>	0.77
<b>VAPOUR PRESSURE (mm Hg @ 20C):</b>	2.22 kPa		

<b>EVAPORATION RATE (Ether = 1):</b>	N. Av.	<b>SPECIFIC GRAVITY:</b>	N. Av.
<b>BOILING POINT (C):</b>	101.81	<b>FREEZING POINT (C)</b>	N Av.
<b>Ph (% SOLUTION):</b>	Acidic	<b>% VOLATILE (WT):</b>	N Av.
<b>SOLUBILITY IN WATER (% W/W)</b>	100%		

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICALLY STABLE?**

**IF NO, UNDER WHICH CONDITIONS?**

**INCOMPATIBILITY WITH OTHER SUBSTANCES** Yes

**IF YES, WITH WHICH ONES:** Reactions between acetic acid and the following materials are potentially explosive: 5-azidotetrazole, bromine pentafluoride, chromium trioxide, hydrogen peroxide, potassium permanganate, sodium peroxide, and phosphorus trichloride.

**SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS** Reacts violently with strong oxidizing agents, acetaldehyde, and acetic anhydride. Material can react with metals, strong bases, amines, carbonates, hydroxides, phosphates, many oxides, cyanides, sulfides, chromic acid, nitric acid, hydrogen peroxide, carbonates. Ammonium nitrate, ammonium thiosulfate, chlorine trifluoride, chlorosulfonic acid, perchloric acid, permanganates, xylene, oleum, potassium hydroxide, sodium hydroxide, phosphorus isocyanate, ethylenediamine, ethylene imine. (Acetic acid)

**HAZARDOUS DECOMPOSITION PRODUCTS:**

#### SECTION 11: TOXICOLOGICAL INFORMATION

**EXPOSURE LIMIT OF MATERIAL** See Section 2

**LC 50 OF MATERIAL, SPECIES AND ROUTE** See Section 2

**LD 50 OF MATERIAL, SPECIES AND ROUTE** See Section 2

**CARCINOGENICITY OF MATERIAL** Not available.

**REPRODUCTIVE EFFECTS:** Not available.

**IRRITANCY OF MATERIAL** Irritant to skin.

**SENSITIZING CAPABILITY OF MATERIAL** Non sensitizer.

**SYNERGISTIC MATERIALS**

#### SECTION 12: ECOLOGICAL INFORMATION

**AQUATIC TOXICITY** Not available.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Waste must be disposed of in accordance with federal, provincial and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION

**TDG CLASSIFICATION** Class 8, Acetic Acid Solution

**UN NUMBER:** 2790

**PACKING GROUP:** 11

**Special Provisions for Transport**

#### SECTION 15: REGULATORY INFORMATION

**WHMIS CLASSIFICATION** Not Controlled

#### SECTION 16: OTHER INFORMATION

**ABBREVIATIONS USED:** N.Av. = Not Available  
N.App. / N.Ap. = Not Applicable

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**SOURCES:**

Supplier MSDS

**For updated copies of an MSDS, please contact Maunco Supplies at the address/phone number on Page 1**

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