



Material Safety Data Sheet

Aceto-Carmine Solution

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name	: Aceto-Carmine Solution
Molecular Formula	: Not Available.
Molecular Weight	: Not Available.
CAS No.	: Mixture.

SECTION: 1.2 – COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Acetic Acid	64-19-7	45% .
Carmine	1390-65-4	2%.
Water	7732-18-5	53% .

Toxicological Data on Ingredients: Not Available.

SECTION 3: HAZARD IDENTIFICATION

DANGER! Extremely corrosive to all body tissue and may be fatal if swallowed or inhaled.

Target organs: Respiratory system, eyes, skin, teeth.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4: FIRST AID MEASURES

Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.

Skin: Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.

Ingestion: Call Poison Control immediately. Do not induce vomiting. Rinse mouth with cold water. Give victim 1-2 cups of water or milk to drink.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

SECTION 5: FIRE AND EXPLOSION DATA

When heated to decomposition, emits acrid fumes.

Protective equipment and precautions for firefighters: Use foam or dry chemical to extinguish fire.

Firefighters should wear full fire fighting turn-out gear and respiratory protection (SCBA).

Cool container with water spray. Material is not sensitive to mechanical impact or static discharge.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all ignition sources and ventilate area. Contain spill with sand or absorbent material and place material in a sealed bag or container for disposal. Wash spill area after pickup is complete. See Section 13 for disposal information

SECTION 7: HANDLING AND STORAGE

Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.

Storage: Store in Corrosive Area [White Storage] with other corrosive items. Store in a dedicated corrosive cabinet. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. Use NIOSH-approved respirator with an acid/organic cartridge.

Exposure guidelines Acetic Acid: OSHA PEL: 25 mg/m³ and ACGIH TLV: 10 ppm; STEL: N/A.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Molecular formula N/A.

Molecular weight N/A.

Specific Gravity N/A.

Vapor Density (air=1) 2.07.

Melting Point 0°C.

Boiling Point/Range 108°C.

Vapor Pressure (20°C) N/A

Flash Point: N/A.

Autoignition Temp.: N/A

Appearance Light red liquid.

Odor Vinegar odor

Odor Threshold N/A

Solubility Complete.

Evaporation rate N/A (Butyl acetate = 1).

Partition Coefficient N/A (log POW).

pH N/A.

LEL N/A.

UEL N/A.

SECTION 10: STABILITY AND REACTIVITY

Avoid heat and ignition sources.

Stability: Stable under normal conditions of use and storage.

Incompatibility: Oxidizing agents, hydrogen peroxide, nitric acid, perchloric acid or chromium trioxide; strong alkalis

Shelf life: Indefinite if stored properly.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Symptoms/Signs of exposure: Eyes: Redness, tearing, itching, burning, damage to cornea, conjunctivitis, loss of vision.

Skin: Redness, blistering, burning, itching, tissue destruction with slow healing.

Ingestion: Nausea, vomiting, burning, diarrhea, ulceration, convulsions, shock.

Inhalation: Coughing, wheezing, shortness of breath, headache, spasm, inflammation and edema of bronchi, pneumonitis.

Chronic Effects: Repeated/prolonged skin contact may cause thickening, blackening or cracking. Repeated eye exposure may cause corneal erosion or loss of vision. Sensitization: none expected

Acetic acid: LD50 [oral, rat]; 3310 mg/kg; LC50 [rat]; >16000 (4 hour); LD50 Dermal [rabbit]; 1120 mg/kg
Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial): Ecological impact has not been determined.

SECTION 13: DISPOSAL CONSIDERATION

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer disposal after being neutralized to pH 7.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Acetic Acid Solution.

DOT Hazard Class: 8, pg II.

Identification Number: UN2790.

Canada TDG: Acetic Acid Solution.

Hazard Class: 8, pg II.

UN Number: UN2790.

SECTION 15: OTHER REGULATORY INFORMATION

EINECS: Not listed .

WHMIS Canada: Not WHMIS Controlled.

TSCA: All components are listed or are exempt.

California Proposition 65: Not listed .

The product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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