



COLUMBUS CHEMICAL INDUSTRIES INC.

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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Acetone

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

N4335 Temkin Road

Columbus, Wisconsin 53925

Emergency Telephone Number

CHEMTREC 1 (800) 424-9300

Telephone Number for Information

1-920-623-2140

Date Prepared

03-24-2003

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Table with 6 columns: Hazardous Components (Specific Chemical Identity, Common Name(s)), CAS #, OSHA PEL, ACGIH TLV, Other Limits Recommended, % (optional). Row 1: Acetone, 67-64-1, 750 ppm, 500 ppm, N/A, 99.5%

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property, Value 1, Property, Value 2. Rows include Boiling Point (56°C (133°F)), Vapor Pressure (181.7 @ 20°C), Vapor Density (2.00), Specific Gravity (0.79 @ 25°C), Melting Point (-89 °C(-128.2 °F)), Evaporation Rate (7.7).

Solubility in Water

Completely miscible

Appearance and Odor

Clear, colorless liquid; sweet, slight aromatic odor

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Property, Flammable Limits, LEL, UEL. Row 1: Flash Point (Method Used) -20 °C / -4 °F (Tag Closed Cup), Flammable Limits, LEL 2.6%, UEL 12.8%

Extinguishing Media

Water fog/fine spray; Carbon dioxide; Dry chemical; Alcohol resistant foams.

Special Fire Fighting Procedures

Do not use a direct water stream. Isolate fire area, deny unnecessary entry. Move burning liquids by flushing with water.

Extinguish burning liquids by diluting with water. Cool fire-exposed containers/areas with water. Stay upwind.

Unusual Fire and Explosion Hazards

Vapors are heavier than air and may travel a long distance and accumulate in low-lying areas. Ignition/flash back may

Container may vent and/or rupture due to fire. Flammable mixtures may exist within the vapor space of containers.

Section V Reactivity Data

| | | | | |
|-----------|----------|---|---------------------|----------------------------------|
| Stability | Unstable | | Conditions to Avoid | Heat, ignition sources, |
| | Stable | X | | oxidizing agents, incompatibles. |

Incompatibility Materials to Avoid

Avoid contact with nitric acid, acetic acid, or sulfuric acid.

Hazardous Decomposition or Byproducts

May include but are not limited to carbon dioxide and carbon monoxide.

Hazardous Polymerization**Conditions to Avoid**

| | | | |
|--|----------------|---|----------------|
| | May Occur | | |
| | Will Not Occur | X | Not available. |

Section VI Health Hazard Data

| | | | |
|------------------------|---------------------|---------------|--------------------|
| Routes of Entry | Inhalation ? | Skin ? | Ingestion ? |
| | Yes | No | Yes |

Health Hazards (Acute and Chronic)

Destructive to mucous membranes and upper respiratory tract, eyes and skin. Eye contact may cause permanent eye damage. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, pulmonary edema and chemical pneumonitis. May cause central nervous system depression upon inhalation.

| | | | |
|------------------------|------------|------------------------|------------------------|
| Carcinogenicity | NTP | IARC Monographs | OSHA REGULATED? |
| No | Not listed | Not listed | Not listed |

Signs and Symptoms of Exposure.

Depression of the central nervous system. Dizziness, drowsiness, incoordination. Inflammation, swelling of larynx and bronchi, chemical pneumonitis. Coughing, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, redness, itchiness.

Medical Conditions Generally Aggravated by Exposure

No information found.

Emergency and First Aid Procedures Eliminate ignition sources. Warn public of downwind explosion hazard. Flush exposed skin eyes with plenty of water for 15 minutes. Consult medical personnel. If swallowed, seek medical help. DO NOT induce vomiting unless directed to do so by medical personnel. Inhalation - remove to fresh air. Give oxygen if breathing is artificial respiration if breathing has stopped. Call a physician or transport to a medical facility.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate and ventilate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant rubber boots, apron and heavy rubber gloves. Contain spill with dikes, sand or noncombustible absorbent material. up and place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose of product in accordance with all Federal, State, and Local regulations.

Precautions to be Taken in Handling and Storing

Containers can contain vapors. Do not cut, drill, weld, or perform similar operations on or near empty containers. No smoking/open flames/sources of ignition in handling/storage area. do not transfer product via air pressure. Electrically ground all equipment. Minimize sources of ignition. Keep all containers tightly closed when not in use.

Other Precautions Minimize static buildup, heat, sparks, and flame. Containers, even when empty, will retain residue and vapors which can ignite with explosive force. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with organic vapor cartridge.

| | | | | |
|-------------|----------------------|--------------|---------|-----------------------|
| Ventilation | Local Exhaust | Necessary. | Special | Eyewash nearby. |
| | Mechanical (General) | Recommended. | Other | Safety shower nearby. |

Protective Gloves Appropriate chemical-resistant gloves. **Eye Protection** Chemical safety goggles

Other Protective Clothing or Equipment Rubber boots, apron and faceshield.

Work /Hygienic Practices Contact lenses should not be worn when working with this material. Maintain eyewash and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Avoid breathing mist and vapors.

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