



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
COLUMBUS, WISCONSIN 53925-0008
(920) 623-2140
FAX (920) 623-2577

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)

Reagent Alcohol Absolute

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, Inc.
N4335 Temkin Road
Columbus, Wisconsin 53925

Emergency Telephone Number
CHEMTREC 1 (800) 424-9300

Telephone Number for Information
1 (920) 623-2140

Date Prepared
07-22-2003

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). Rows include Ethyl Alcohol, Isopropyl Alcohol, and Methyl Alcohol*.

*Subject to the reporting requirements of SARA Title III Section 313.

Section III - Physical/Chemical Characteristics

Table with 2 columns: Property and Value. Rows include Boiling Point (80 °C/176 °F), Vapor Pressure (57 mmHg), Vapor Density (1.6), Specific Gravity (0.79), Melting Point (N/A), and Evaporation Rate (1.7).

Solubility in Water

Complete

Appearance and Odor

Clear and water white liquid with alcohol odor.

Section IV Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Values: 12 °C / 55 °F (TCC), 3.3%, 19%.

Extinguishing Media

Use NFPA Class B Extinguishers (CO2 or foam).

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions. Vapors from this product may migrate along currents to an ignition source and flash back. Container explosion may occur under fire conditions. Use water spray to cool containers and reduce flame.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Strong oxidizers,
	Stable	X		Avoid heat, sparks, open flames.

Incompatibility Materials to Avoid

Oxidizers, nitric acid, sulfuric acid, aldehydes, halogen compounds, peroxides, acid anhydrides, ammonia, alkali metals.

Hazardous Decomposition or Byproducts

Carbon dioxide, carbon monoxide.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		Not available
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
Multiple	X	X	X

Health Hazards (Acute and Chronic)

May be fatal if swallowed; harmful if inhaled or absorbed through skin. Irritating to skin, eye, mucous membranes and upper respiratory tract. Can cause central nervous system depression, anemia, convulsions. Chronic exposure can cause liver, heart, and kidney damage and blindness. Can cause fetal defects and retardation if ingested during pregnancy.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
No ingredients listed	Not listed	Not listed	Not listed

Signs and Symptoms of Exposure.

Headache, nausea, vomiting, drowsiness, dizziness, inebriation, unconsciousness, coma, and possibly death may result

from exposure. **NOT INTENDED FOR HUMAN CONSUMPTION!**

Medical Conditions Generally Aggravated by Exposure

Pre-existing skin, eye, and respiratory conditions.

Emergency and First Aid Procedures **EYES:** In case of contact, immediately flush with large amounts of water for at least 15

INGESTION: Get medical attention. Induce vomiting, if conscious, according to physician's instructions

Keep victim warm and calm. **SKIN:** Remove contaminated clothing and shoes. Wash with soap and water. **INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing give oxygen. Call physician.

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

Evacuate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and heavy rubber gloves. Contain spill with dikes, sand or noncombustible absorbent material. Sweep 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 in accordance with all Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Protect against physical damage. Keep away from heat, sparks and flame. Ground all equipment containing this material. **HIGHLY FLAMMABLE MATERIAL!** Containers may explode if exposed to extreme heat.

Other Precautions **DO NOT** weld, braze, saw, or grind near product. Containers, even when empty, will retain residue and vapors which can ignite with explosive force. 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 cartridge.

Ventilation	Local Exhaust	Necessary to keep below TLV.	Special	Safety shower nearby.
	Mechanical (General)	Recommended.	Other	Eyewash facilities nearby.

Protective Gloves Appropriate, chemical-resistant gloves. **Eye Protection** Chemical Safety Goggles

Other Protective Clothing or Equipment Saranax suit, Hazmax boots, Faceshield. Clean, body-covering clothing.

Work /Hygienic Practices Contact lenses should not be worn when working with this material. Avoid eye and skin contact. Avoid breathing vapors. Follow safe handling and laboratory practices. Wash hands prior to eating or smoking.

Avoid prolonged or repeated exposure. **FLAMMABLE! NOT FOR HUMAN CONSUMPTION! POISON!**

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