

JELL CHEMICALS, INC.

9353 Seymour Ave. Schiller Park, IL 60176

800/747-5355

MATERIAL SAFETY DATA SHEET

Report Date: 7/25/05

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EMERGENCY PHONE #: 1-800-535-5053

Section I - Product Identification

Product Class: Isopropyl Alcohol, Anhydrous

Product Code I.D.: X-1230

Trade Name: Anco Isopropyl Alcohol

Section II A - Hazardous Ingredients

Product Hazard Ratings: Health=2, Fire=3, Reactivity=0, Protective Equipment=*A (HMIG)
(Rating Legend: 4=Extreme, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal)

No.	Component	CAS#	% by wt.
1	2-Propanol	67-63-0	

**This product is hazardous as defined in 29 CFR1910.1200*

Section II B - Occupational Exposure Limits (Y=Yes, N=No, N/E= Not Established)

No.	(OSHA)PEL/TWA	(OSHA)STEL	(ACGIH)TLV/TWA	(ACGIH)TLV/STEL
1	400 ppm	500ppm	400 ppm	500 ppm

Chemical Name: 2-Propanol

Chemical Family: Aliphatic Alcohol

Appearance and odor: Clear colorless liquid with moderate solvent odor

DOT Classification: Flammable Liquid, N.O.S. Class "55"

(Isopropanol) 3, UN1219, PG II

Emergency Response Guide: #129

**(Skin) Absorption may contribute to the overall exposure to this material. Take appropriate measures to prevent skin contact.*

Section III - Physical Data

Specific Gravity: 0.79 at 68°

Solubility in water (wt.% at °F.): 100 at 68°

Boiling point: 180° to 181° F (Represents boiling point of lowest boiling material)

Freezing/Melting point: -128° F.

Evaporation Rate: 2.3 (n-Bu acetate=1)

Specific Gravity of vapor: > 1 (air=1)

Vapor Pressure(mmHg at °F.): 96 at 100° and 230 at 131°

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Section IV - Health Information

EYE CONTACT: Exposure may cause chemical burns and extensive corneal injury if not removed promptly; product vapors and/or mists may also be irritating to the eyes.

SKIN CONTACT: Contact may result in defatting and drying of the skin which may result in dermatitis.

Low order of toxicity.

INHALATION: Vapors and/or mists above recommended exposure limits are irritating to the nose, throat, respiratory tract, and other mucous membranes. Overexposure may cause headaches and dizziness, and may have other central nervous system effects. Negligible hazard at ambient temperature (-18° to 38° C; 0 to 100° F).

INGESTION: Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may result in severe lung damage. May cause bronchiopneumonia or pulmonary edema.

SIGNS AND SYMPTOMS: Eye irritation-pain, tearing, reddening and swelling. Skin irritation-swelling, rash and redness. Respiratory irritation- runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function. Gastrointestinal irritation-sore throat, abdominal pain, nausea, vomiting and diarrhea. Central nervous system depression-headache, dizziness, nausea and symptoms of intoxication; Chronic overexposure-loss of memory, loss of intellectual ability and loss of coordination.

AGGRAVATED MEDICAL CONDITIONS; Preexisting skin, eye and respiratory disorders may be aggravated by exposure to this product. Impaired central nervous system functions from preexisting disorders may be aggravated by exposure to this product.

Section V-Emergency and First Aid Procedures

EYE CONTACT: Immediately flush eyes with copious amounts of water for at least 15 minutes while holding eyelids open. Seek prompt medical attention.

SKIN CONTACT: Immediately remove contaminated clothing and shoes. Wipe excess from skin and flush with water for at least 15 minutes using soap if available. Seek prompt medical attention. Do not reuse clothing until thoroughly decontaminated.

INHALATION: Remove victim to fresh air and treat symptomatically. Provide oxygen if breathing is difficult. Give artificial respiration if the victim is not breathing. Seek prompt medical attention.

INGESTION: Do not induce vomiting. Vomiting will cause further damage to the throat. Dilute by giving water or milk to drink if the victim is conscious. Consult a physician, hospital or poison control center and/or transport to an emergency facility immediately.

Section VI-Fire and Explosion Hazards

FLASH POINT 54 ° F. TCC

FLAMMABLE LIMITS: LEL: 2.0 UEL 12.7 @ 77° F.

AUTOIGNITION TEMPERATURE: > 662° F.

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:

Warning: Flammable. Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure build-up, which could result in container rupture. Containers that are exposed to direct flame should be cooled with water to eliminate structural weakening of the container's wall and possible rupture.

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Section VII-Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS AND MATERIAL TO AVOID: Avoid caustics, amines, alkanolamines, aldehydes, strong oxidizing agents, and chlorinated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: None

Section VIII-Employee Protection

RESPIRATORY PROTECTION: Use ventilation as required to control vapor concentrations-at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH-approved respirator.

PROTECTIVE CLOTHING: Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear chemical resistant gloves and protective clothing to prevent contact with skin and clothing.

ADDITIONAL PROTECTIVE MEASURES: Eye wash fountains and safety showers should be available for use in an emergency.

Section IX-Environmental Protection

SPILL OR LEAK PROCEDURES:

LARGE SPILLS: Eliminate sources of ignition. Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; Flush solutions as above.

SMALL SPILLS: Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL: Observe all federal, state, and local regulations regarding proper disposal.

Section X-Additional Precautions

Keep liquid and vapor away from heat, sparks, and flame. Extinguish pilot lights, cigarettes and turn off other possible sources of ignition prior to use and until vapors are gone. Surfaces that are sufficiently hot may ignite product in the absence of sparks or flame. Vapors may accumulate and travel to ignition sources distant from handling site. Keep containers closed when not in use. Use adequate ventilation. Containers, even if empty, can contain explosive vapors or residues. Do not cut, Drill, Grind, or weld near containers.

After contact with product container, wash with soap and water before eating, drinking, smoking or using toilet facilities.

Under the provisions of Title III, Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372, this product is classified into the following hazard categories:

Immediate Health, Delayed Health, Fire.

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