

**Safety Data Sheet
CORPRO-86**

1. PRODUCT IDENTIFICATION AND COMPANY

Trade Name: CORPRO-86

Synonyms: --

Formula: --

Manufacturer: Astro-Chem Lab, Inc.

4102 2nd Ave W

Williston, ND 58801

Phone: 701-572-7355

Article no(s):

CAS-no: Mixture

EC-no:

24 Hour Phone Number: 800-568-6614

2. HAZARD IDENTIFICATION



Emergency Overview:

DANGER

FLAMMABLE LIQUID AND VAPOR. May be fatal or cause blindness if swallowed. Harmful if inhaled or absorbed through the skin. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system and liver.

Potential Health Effects:

Eyes:

Irritant, characterized by a burning sensation, redness, tearing, inflammation, possible corneal injury, painful sensitization to light. Continued exposure may cause lesions.

Skin:

Methyl Alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur in harmful amounts; symptoms may parallel inhalation exposure.

Inhalation:

An irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of over exposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death. A person may get better but then worse up to 30 hours later.

Ingestion:

Toxic. Symptoms similar to those for inhalation, but severity and speed of appearance may be greater. May be fatal or cause blindness. Usual fatal dose: 100-125 ml. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by

Safety Data Sheet
CORPRO-86

Chronic Exposure:

excitement, followed by headache, dizziness, drowsiness and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Marked impairment of vision has been reported. Repeated or prolonged skin contact may cause dermatitis. Chronic exposure may cause reproductive disorders and teratogenic effects. Laboratory experiments have resulted in mutagenic effects.

Aggravation of Preexisting Conditions:

Persons with preexisting skin disorders, eye problems, impaired liver, or kidney function may be more susceptible to the effects of the substance.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredient	Percent	CAS Number	TLV-TWA
Methanol	20-25	67-56-1	200 PPM
Isopropyl Alcohol	5-10	67-63-0	400 PPM

4. FIRST AID MEASURES

Medical Conditions Aggravated: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

Ingestion: Seek medical attention. May cause ocular damage.

Inhalation: Move to fresh air. If breathing has stopped, give artificial respiration, then oxygen, if needed. Seek medical attention immediately. Prolonged inhalation of vapors may lead to a sense of drunkenness. May result in central nervous system depression.

Eye Contact: Flush with water for at least 15 minutes. Contact a physician immediately. Eye contact will cause irritation.

Skin (Dermal): Remove contaminated clothing and wash contaminated skin with large amounts of soap and water. If irritation persists, contact a physician. Repeated or prolonged contact may cause irritation and dermatitis, especially to preexisting conditions.

Signs and Symptoms: Early to moderate Central Nervous System depression may be evidenced by giddiness, headache, dizziness and nausea.

Listed Carcinogens: None listed.

**Safety Data Sheet
CORPRO-86**

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Dry chemical or CO ₂ .
Special Fire Fighting Procedures:	Use of self-contained breathing apparatus is recommended with full face piece.
Unusual Fire and Explosion Hazards:	None known.

6. ACCIDENTAL RELEASE MEASURES

Spill:	Flammable liquid. Release can cause an immediate fire/explosion hazard. Eliminate all ignition sources, stop spill and use absorbent materials. If necessary, contain spill by diking. Collect liquid with explosion proof pumps and/or non-combustible absorbent.
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7. HANDLING AND STORAGE

Handling:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas, fumes, vapor and spray. Avoid contact with eyes. 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. Keep away from incompatibles such as oxidizing agents, acids.
Storage:	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:	Use explosion-proof ventilation equipment. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use only under a chemical fume hood. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Personal Protective Equipment Eye/face Protection	Use safety glasses with side shields. Keep chemical out of eyes. Use goggles, if condition warrants

Safety Data Sheet CORPRO-86

Skin Protection:

(windy, etc.)

Avoid contact with the skin. Use layers of clothing to prevent skin contact. Wear protective gloves and suitable protective clothing (long sleeved shirts and long pants). Coveralls and face shields may be preferred if condition warrants (windy, etc.)

Respiratory Protection:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown liquid with amine odor.
Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Density @ 60°F:	8.13 pounds/gallon
Specific Gravity:	0.975
Solubility in Water:	Soluble
pH:	N/A
Flash Point:	120°F., TCC.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous Polymerization:	Will not occur under normal conditions.
Incompatibility:	Keep away from strong oxidizing agents.
Hazardous Decomposition Products:	Oxides of sulfur, oxides of nitrogen, hydrogen chloride.
Conditions to Avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Methanol		
Product	Species	Test Results
Acute		
<i>Dermal</i>		
LD50	Rabbit	15,800 mg/Kg
<i>Oral</i>		
LD50	Mouse	7,300 mg/Kg
LD50	Rabbit	14,200 mg/Kg
LD50	Rat	5,628 mg/Kg

Safety Data Sheet CORPRO-86

Inhalation

LD50	Rat	64,000 mg/Kg
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Isopropyl Alcohol

Product	Species	Test Results
Acute		
<i>Dermal</i>		
LD50	Rabbit	12,800 mg/Kg
<i>Oral</i>		
LD50	Mouse	3,600 mg/Kg
<i>Inhalation</i>		
LD50	Rat	16,000 mg/Kg

Carcinogenicity:	CAS # 67-56-1: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Teratogenicity:	No
Reproductive Effects:	Reported to cause birth defects in rats exposed to 20,000 ppm
Mutagenicity:	Insufficient data.

12. ECOLOGICAL INFORMATION

Environmental:	Methanol in fresh or salt water may have serious effects on aquatic life. A study in methanol's toxic effects on sewage sludge bacteria reported little effect on digestion at 0.1% while 0.5% methanol retarded digestion. Methanol will be broken down into carbon dioxide and water. Isopropyl Alcohol is possibly hazardous, short term degradation products are not likely. However, long term degradation products may arise.
Mobility:	Volatile organic compound (VOC): 100%
Persistence and Degradability:	Readily biodegradable in water. Methanol, when released into the air is expected to exist in the aerosol phase and will be degraded from the ambient atmosphere by the reaction with photochemically produced hydroxyl radicals with an estimated half life of 17.8 days. When released into the soil, methanol is expected to readily biodegrade and leach into groundwater. When released into water, it is expected to have a half life of between 1 and 10 days.

**Safety Data Sheet
CORPRO-86**

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Responsibility for proper waste disposal rests with the generator of the waste. Dispose of any waste material in accordance with applicable regulations.
RCRA Status:	

Under RCRA, it is the responsibility of the user to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste.

14. TRANSPORT INFORMATION

Proper Shipping Name:	UN 1993, Flammable Liquid, N.O.S., (Contains Isopropyl Alcohol and Methanol), 3, PG III, ERG 128
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15. REGULATORY INFORMATION

SARA Section 313:	None listed.
HMIS Health:	1
HMIS Flammability:	2
HMIS Reactivity:	0
HMIS Personal Protection:	C

16. OTHER INFORMATION

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