



Material Safety Data Sheet

2-Chloropropane

MSDS# 13236

Section 1 - Chemical Product and Company Identification

MSDS Name: 2-Chloropropane

Catalog Numbers: AC109960000, AC109960010, AC109960025, AC109965000, AC220330000, AC220330050

Synonyms: Isopropyl chloride.

Company Identification:

Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification: (USA)

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call:

800-ACROS-01

For information in Europe, call:

+32 14 57 52 11

Emergency Number, Europe:

+32 14 57 52 99

Emergency Number US:

201-796-7100

CHEMTREC Phone Number, US:

800-424-9300

CHEMTREC Phone Number, Europe:

703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 75-29-6
Chemical Name: 2-Chloropropane
%: 96+
EINECS#: 200-858-8

Hazard Symbols:

XN F



Risk Phrases:

11 20/21/22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Flammable liquid and vapor. May cause central nervous system effects. Harmful if swallowed, inhaled, or absorbed through the skin. May cause blood abnormalities. May cause eye, skin, and respiratory tract irritation. Target Organs: Blood, central nervous system, liver.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. May cause nausea and vomiting. May cause central nervous system effects.

Inhalation: Harmful if inhaled. May cause respiratory tract irritation. Exposure may cause blood abnormalities.

Chronic: Chronic exposure may cause liver damage. Laboratory experiments have resulted in mutagenic effects.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Flammable liquid and vapor.

Extinguishing Media: Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide. Water may be ineffective.

Autoignition Temperature: 590 deg C (1,094.00 deg F)

Flash Point: -32 deg C (-25.60 deg F)

Explosion Limits: 2.80 vol %
Lower:

Explosion Limits: 10.70 vol %
Upper:

NFPA Rating: health: 2; flammability: 4; instability: 1;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. This product may be under pressure; cool before opening.

Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Flammables-area. Keep refrigerated. (Store below 4°C/39°F.) Do not store in aluminum containers. Store protected from light.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-Chloropropane	none listed	none listed	none listed

OSHA Vacated PELs: 2-Chloropropane: None listed

Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear, colorless - APHA: 15 max

Odor: none reported

pH: Not available

Vapor Pressure: 490 mbar @ 20 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 35 - 36 deg C @ 760 mmHg

Freezing/Melting Point: -118 deg C (-180.40°F)

Decomposition Temperature: Not available

Solubility in water: Soluble

Specific Gravity/Density: 0.859

Molecular Formula: C3H7Cl

Molecular Weight: 78.54

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Strong oxidizing agents, strong bases, aluminum.
Hazardous Decomposition Products: Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 75-29-6: TX4410000
RTECS:
CAS# 75-29-6: Inhalation, mouse: LC50 = 119 gm/m3;
LD50/LC50: Inhalation, rat: LC50 = 120 gm/m3;
Oral, mouse: LD50 = 1300 mg/kg;
Oral, rat: LD50 = 5 gm/kg;
Carcinogenicity: 2-Chloropropane - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: 2-CHLOROPROPANE

Hazard Class: 3

UN Number: UN2356

Packing Group: I

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN F

Risk Phrases:

R 11 Highly flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

Safety Phrases:

S 9 Keep container in a well-ventilated place.

S 29 Do not empty into drains.

WGK (Water Danger/Protection)

CAS# 75-29-6: 2

Canada

CAS# 75-29-6 is listed on Canada's DSL List

Canadian WHMIS Classifications: B2, D1B

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

CAS# 75-29-6 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 75-29-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 3/13/1997

Revision #8 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
