

Section 1 - Chemical Product and Company Identification

MSDS Name: Chloroform

Catalog Numbers: AC167730000, AC167730010, AC167730025, AC167735000, AC268320000, AC268320010, AC268320010, AC268320025, AC326670000, AC326670010, AC326670025, AC326820000, AC326820000, AC326820010, AC326821000, AC364320000, AC364320010, AC364321000, AC364321000, AC383760000, AC383760010, AC383760025, AC383760050, AC383770000, AC383770000, AC383770010, AC383770025

Synonyms:

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#: 67-66-3
Chemical Name: Chloroform
%: >99%
EINECS#: 200-663-8

Hazard Symbols: XN



Risk Phrases: 22 38 40 48/20/22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Light sensitive. Target Organs: Kidneys, heart, central nervous system, liver.

Potential Health Effects

Eye: Vapors may cause eye irritation. Contact produces irritation, tearing, and burning pain. May cause conjunctivitis. Causes redness and pain.

Skin: Prolonged and/or repeated contact may cause irritation and/or dermatitis. May cause severe skin irritation with possible burns, especially if skin is wet or moist. Causes redness and pain.

Ingestion: Harmful if swallowed. May cause central nervous system depression, kidney damage, and liver damage. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause cardiac disturbances.



OSHA Vacated PELs: Chloroform: 2 ppm TWA; 9.78 mg/m³ TWA

Personal Protective Equipment

- Eyes:** Wear chemical splash goggles.
- 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:** Clear liquid
- Color:** APHA: 10 max
- Odor:** sweetish odor
- pH:** Not available
- Vapor Pressure:** 213mbar @20 deg C
- Vapor Density:** 4.12 (Air=1)
- Evaporation Rate:** 11.6 (Butyl acetate=1)
- Viscosity:** 0.56 mPa s @20 deg C
- Boiling Point:** 61 deg C @760mmHg (141.80°F)
- Freezing/Melting Point:** -63 deg C (-81.40°F)
- Decomposition Temperature:** Not available
- Solubility in water:** 8 g/l (20°C)
- Specific Gravity/Density:** 1.480
- Molecular Formula:** CHCl₃
- Molecular Weight:** 119.38

Section 10 - Stability and Reactivity

- Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.
- Conditions to Avoid:** High temperatures, incompatible materials, light.
- Incompatibilities with Other Materials:** Not available
- Hazardous Decomposition Products:** Hydrogen chloride, carbon monoxide, carbon dioxide, chlorine, phosgene gas.
- Hazardous Polymerization:** Will not occur.

Section 11 - Toxicological Information

- RTECS#:** CAS# 67-66-3: FS9100000
- LD50/LC50:** RTECS:
CAS# 67-66-3: Draize test, rabbit, eye: 148 mg;
 Draize test, rabbit, eye: 20 mg/24H Moderate;
 Draize test, rabbit, skin: 500 mg/24H Mild;
 Inhalation, mouse: LC50 = 17200 mg/m³/2H;
 Inhalation, mouse: LC50 = 6000 mg/m³/6H;
 Inhalation, rat: LC50 = 47702 mg/m³/4H;
 Inhalation, rat: LC50 = 6000 mg/m³/6H;
 Oral, mouse: LD50 = 36 mg/kg;
 Oral, rat: LD50 = 695 mg/kg;
 Oral, rat: LD50 = 1250 mg/kg;
 Skin, rabbit: LD50 = >20 gm/kg;

Carcinogenicity: Chloroform - ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans California: carcinogen, initial date 10/1/87 NTP: Suspect carcinogen IARC: Group 2B carcinogen

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: >1000 ppm
Bacteria: Pseudomonas putida: >1000 ppm

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: CHLOROFORM

Hazard Class: 6.1

UN Number: UN1888

Packing Group: III

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

USA RQ: CAS# 67-66-3: 10 lb final RQ; 4.54 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

R 38 Irritating to skin.

R 40 Limited evidence of a carcinogenic effect.

R 48/20/22 Harmful : danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection)

CAS# 67-66-3: 3

Canada

CAS# 67-66-3 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2A, D2B, 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# 67-66-3 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 67-66-3 is listed on the TSCA
Inventory.

Section 16 - Other Information

MSDS Creation Date: 6/09/1999

Revision #5 Date: 2/10/2006

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.