

Section 1 - Chemical Product and Company Identification

MSDS Name: Acetyl chloride, 1M solution in dichloromethane
Catalog Numbers: AC387740000, AC387741000, AC387748000
Synonyms: Acetyl chloride in methylene 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#: 75-09-2
Chemical Name: Methylene chloride
%: 92
EINECS#: 200-838-9
Hazard Symbols: XN
Risk Phrases: 40

CAS#: 75-36-5
Chemical Name: Acetyl chloride
%: 8
EINECS#: 200-865-6
Hazard Symbols:
Risk Phrases:

Text for R-phrases: see Section 16

Hazard Symbols:



Risk Phrases:

XN F



11 14 36/37/38 40

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available Target Organs: Respiratory system, eyes, skin.

Potential Health Effects

Eye:	Causes eye irritation.
Skin:	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	Causes respiratory tract irritation. May be harmful if inhaled.
Chronic:	Limited evidence of a carcinogenic effect.

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	Treat symptomatically and supportively.

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. Will burn if involved in a fire. Water reactive. Material will react with water and may release a flammable and/or toxic gas. Flammable liquid and vapor.
Extinguishing Media:	Use foam, dry chemical, or carbon dioxide. Use water spray, dry chemical, carbon dioxide, or chemical foam. DO NOT USE WATER!
Autoignition Temperature:	Not available
Flash Point:	Not available
Explosion Limits Lower:	Not available
Explosion Limits Upper:	Not available
NFPA Rating:	NFPA Rating:

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. Remove all sources of ignition. Use a spark-proof tool. Do not expose spill to water. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling:	Do not allow water to get into the container because of violent reaction. Use spark-proof tools and explosion proof equipment. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Use and store under nitrogen.
Storage:	Keep away from sources of ignition. Store in a cool, dry place. Keep container closed when not in use. Store in a tightly closed container. Flammables-area. Store protected from moisture.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.
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Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methylene chloride	50 ppm	2300 ppm IDLH	12.5
ppm Action			Level;
25 ppm			TWA;
125 ppm			STEL
(15 min.			Cancer,
cardiac			effect
s,			central
nervous			system
effects,			liver
effects,			and
skin and eye			
irritation - See			29 CFR
1910.1052)			
Acetyl chloride	none listed	none listed	none listed

OSHA Vacated PELs: Methylene chloride: 500 ppm TWA Acetyl chloride: None listed

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:** Liquid
- Color:** colorless
- Odor:** Not available
- pH:** Not available
- Vapor Pressure:** Not available
- Vapor Density:** Not available
- Evaporation Rate:** Not available

Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: Not available
Decomposition Temperature: Not available
Solubility in water: Not available
Specific Gravity/Density: 1.300
Molecular Formula: C₂H₃ClO
Molecular Weight: 78.5

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Hydrogen chloride, carbon monoxide, carbon dioxide.
Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 75-09-2: PA8050000
CAS# 75-36-5: AO6390000

LD50/LC50: RTECS:
CAS# 75-09-2: Draize test, rabbit, eye: 162 mg Moderate;
Draize test, rabbit, eye: 10 mg Mild;
Draize test, rabbit, eye: 500 mg/24H Mild;
Draize test, rabbit, skin: 810 mg/24H Severe;
Draize test, rabbit, skin: 100 mg/24H Moderate;
Inhalation, mouse: LC50 = 14400 ppm/7H;
Inhalation, mouse: LC50 = 49100 mg/m³/6H;
Inhalation, mouse: LC50 = 54000 mg/m³/2H;
Inhalation, mouse: LC50 = 56220 mg/m³/7H;
Inhalation, rat: LC50 = 52 gm/m³;
Inhalation, rat: LC50 = 76000 mg/m³/4H;
Inhalation, rat: LC50 = 52000 mg/m³/6H;
Oral, mouse: LD50 = 873 mg/kg;
Oral, rabbit: LD50 = 2000 mg/kg;
Oral, rat: LD50 = 1600 mg/kg;
Oral, rat: LD50 = 985 mg/kg;

RTECS:
CAS# 75-36-5: Oral, rat: LD50 = 910 mg/kg;

Carcinogenicity: Methylene chloride - ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans California: carcinogen, initial date 4/1/88 NTP: Suspect carcinogen IARC: Group 2B carcinogen
Acetyl chloride - 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: No information available.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT
Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
Hazard Class: 3
UN Number: UN1993

Packing Group: II
Canada TDG
Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:
USA RQ: CAS# 75-09-2: 1000 lb final RQ; 454 kg final RQ
USA RQ: CAS# 75-36-5: 5000 lb final RQ; 2270 kg final RQ

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 14 Reacts violently with water.
- R 36/37/38 Irritating to eyes, respiratory system and skin.
- R 40 Limited evidence of a carcinogenic effect.

Safety Phrases:

- S 8 Keep container dry.
- S 16 Keep away from sources of ignition - No smoking.
- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 75-09-2: 2

CAS# 75-36-5: 1

Canada

CAS# 75-09-2 is listed on Canada's DSL List

CAS# 75-36-5 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

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# 75-09-2 is listed on Canada's Ingredient Disclosure List

CAS# 75-36-5 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 75-09-2 is listed on the TSCA Inventory.

CAS# 75-36-5 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 1/19/2006

Revision #0 Date Original.

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.