

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Itaconyl chloride

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Skin corrosion (Category 1B)

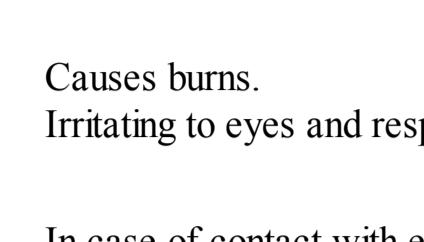
Specific target organ toxicity - single exposure (Category 3)

According to European Directive 67/548/EEC as amended.

Causes burns. Irritating to eyes and respiratory system.

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

H314

H335

Precautionary statement(s)

P261

P280

P305 + P351 + P338

P310

Hazard symbol(s)

C

R-phrase(s)

R34

R36/37

S-phrase(s)

S26

S27

S28

S36/37/39

S45

Other hazards

Lachrymator.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Methylenesuccinic acid chloride

Formula : C5H4Cl2O2

Molecular Weight : 166,99 g/mol

CAS-No.	EC-No.	Classification	Concentration
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2,2-Methylenesuccinyl dichloride

1931-60-8 217-689-0 - Skin Corr. 1B; STOT SE 3; H314, H335 C, R34 - R36/37

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Normal measures for preventive fire protection.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in cool place.

Moisture sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid

Colour : light yellow

Safety data

pH : no data available

Melting point : no data available

Boiling point : 89 °C at 23 hPa - lit.

Flash point : 113 °C - closed cup

Ignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Density : 1,407 g/cm3 at 25 °C

Water solubility : no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Water, Alcohols, Oxidizing agents, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Inhalation: no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available

Gen cell mutagenicity : no data available

Carcinogenicity : no data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity : no data available

Specific target organ toxicity - single exposure : no data available

Specific target organ toxicity - repeated exposure : no data available

Aspiration hazard : no data available

Potential health effects

Inhalation : May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation.

Ingestion : May be harmful if swallowed. Causes burns. Causes skin burns.

Skin : May be harmful if absorbed. Causes eye burns.

Eyes : Causes eye burns.

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Spasms, inflammation and edema of the larynx, spasms, inflammation and edema of the bronchi, headache, nausea, edema of the brain, burning sensation, cough, wheezing, laryngitis, shortness of breath.

Additional Information : no data available

RT/EC: W/N4050000

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Biodegradability : no data available

Mobility in soil : no data available

PBT and vPvB assessment : no data available

Other adverse effects : no data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-Number: 3265 Class: 8

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-Methylenesuccinyl dichloride)

IMDG

UN-Number: 3265 Class: 8

Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (2,2-Methylenesuccinyl dichloride)

IATA

UN-Number: 3265 Class: 8

Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (2,2-Methylenesuccinyl dichloride)

15. REGULATORY INFORMATION

Text of H-code(s) and R-phrase(s) mentioned in Section 3

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

STOT SE 3 Skin corrosion

C Corrosive

R34 Causes burns.

R36/37 Irritating to eyes and respiratory system.

Further information

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be known only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.