

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

Product name : 3-Chlorophenyl isocyanate

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Acute toxicity, Inhalation (Category 1)

Skin corrosion (Category 1A)

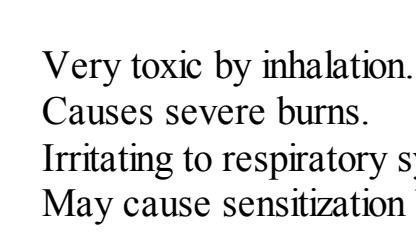
Respiratory sensitization (Category 1)

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

Very toxic by inhalation. Causes severe burns. Irritating to respiratory system. May cause sensitization by inhalation.

Label elements

Pictogram



Signal word : Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage.

H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 Wear respiratory protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

Hazard symbol(s)

T+ Very toxic

R-phrase(s)

R26 Very toxic by inhalation.

R35 Causes severe burns.

R37 Irritating to respiratory system.

R42 May cause sensitization by inhalation.

S-phrase(s)

S23 Do not breathe vapour.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap and water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards

Lachrymator.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 3-Isocyanato chlorobenzene

Formula : C7H4ClNO

Molecular Weight : 153,57 g/mol

CAS-No.	EC-No.	Classification	Concentration
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3-Chlorophenyl isocyanate

2909-38-8 220-822-5 -

Acute Tox. 1; Skin Corr. 1A;

Resp. Sens. 1; H314, H330,

H334

T+, R26 - R35 - R37 - R42

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

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. 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 inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage

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

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

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

Handle with gloves.

Eye protection

Tightly fitting safety goggles. Faceshield (8-inch minimum).

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : clear, liquid

Colour : light yellow

Safety data

pH : no data available

Melting point : -4 °C - lit.

Boiling point : 113 - 114 °C at 57 hPa - lit.

Flash point : 82 °C - closed cup

Ignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Density : 1,26 g/cm3 at 25 °C

Water solubility : no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Heat.

Materials to avoid

Alcohols, Strong bases, Amines, acids, Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Oral - rat - 4.200 mg/kg

Remarks: Behavioral/Somnolence (general depressed activity), Lungs, Thorax, or Respiration/Other changes, Gastrointestinal/Other changes.

Inhalation: no data available

LDLO Dermal - rabbit - 7.940 mg/kg

Remarks: Behavioral/Somnolence (general depressed activity), Lungs, Thorax, or Respiration/Other changes, Gastrointestinal/Other changes.

Skin corrosion/irritation : no data available

Skin damage/eye irritation : no data available

Respiratory or skin sensitization : no data available

May cause allergic respiratory reaction.

Germs 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 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

Other adverse effects : no data available

Moisture sensitive : no data available

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulation potential

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

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe service federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-Number: 2206 Class: 6.1

Proper shipping name: ISOCYANATE, TOXIC, N.O.S. (3-Chlorophenyl isocyanate)

IMDG

UN-Number: 2206 Class: 6.1

Proper shipping name: ISOCYANATE SOLUTION, TOXIC, N.O.S. (3-Chlorophenyl isocyanate), S-A

Marine pollutant: No

IATA

UN-Number: 2206 Class: 6.1

Packing group: II

Proper shipping name: Isocyanate solution, toxic, n.o.s. (3-Chlorophenyl isocyanate)

15. REGULATORY INFORMATION