

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**(chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

**Trade Name :**

CHLOROMETHYL CYCLOPROPANE

**MINAKEM Code:**

700046-700047-700048

**REACH Registration number :**

01-2120763558-41-0000

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Intermediate used under strictly controlled conditions (according to REACH regulation N° 1907/2006)

**Life cycle stages**

IS Use at industrial Sites

**Uses advised against**

no data available

**1.3 Details of the supplier of the safety data sheet**

Minakem Beuvry Production S.A.S.  
145, Chemin des Lilas  
F-59310 Beuvry-la-Forêt  
+33 3 20 64 68 30

**E-Mail (Writer SDS)**

sds@minakem.com

**1.4 Emergency telephone number:**

+33 3 20 64 68 30 (MINAKEM)  
+33 1 45 42 59 59 (INRS - ORFILA)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Acute Tox. 4 H302 Harmful if swallowed.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

**Hazard pictograms**



GHS02



GHS07

(Contd. on page 2)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 1)

<b>Signal word</b>	Danger
<b>Hazard statements</b>	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P262 Do not get in eyes, on skin, or on clothing. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>2.3 Other hazards</b>	no data available

**SECTION 3: Composition/information on ingredients**

**3.1 Chemical characterisation: Substances**

<b>Chemical Name</b>	(chloromethyl)cyclopropane
<b>Identification numbers:</b>	CAS N° : 5911-08-0 EC N° : 227-632-1 INDEX N° : -
<b>Concentration:</b>	≥ 97%
<b>Formula :</b>	C4H7Cl
<b>Formula weight :</b>	90.5g/mol

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

<b>After inhalation:</b>	Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
<b>After skin contact:</b>	Remove contaminated clothes, wash affected area with soap and water and rinse thoroughly. If skin irritation continues, consult a doctor.
<b>After eye contact:</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing:</b>	Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

no data available

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 2)

**4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

**SECTION 5: Firefighting measures**

**5.1 Suitable extinguishing agents :**

CO<sub>2</sub>, powder or foam

**5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire : CO, HCl

**5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.  
Wear fully protective suit.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment recommended in section 8

**6.2 Environmental precautions:**

Keep contaminated washing water and dispose of appropriately.  
Do not allow to penetrate the ground/soil.

**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable receptacles.

**6.4 Reference to other sections**

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions:**

Store in cool (2 to 8°C), dry conditions in well sealed receptacles.

**7.3 Specific end use(s)**

no data available

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

no data available

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 3)

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Ensure good ventilation/exhaustion at the workplace.

**Respiratory protection :**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.



Suitable respiratory protective device recommended:  
A respiratory filter

**Protection of hands:**



Wear protective gloves

**Material of gloves (recommendation) :**

Neoprene or nitrile gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Eye protection:**



Wear safety goggles

Check that an emergency eyewash facility is available near the handling zone

**Body protection:**



Wear protective work clothing: safety shoes, apron

Check that a security shower is available near the handling zone

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	no data available
<b>Odour threshold:</b>	no data available
<b>pH-value:</b>	no data available
<b>Melting point:</b>	-91 °C
<b>Initial boiling point and boiling range:</b>	87-89 °C
<b>Evaporation rate:</b>	no data available
<b>Flash point:</b>	-1 °C
<b>Flammability (solid, gas):</b>	no data available

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 4)

**Decomposition temperature:** no data available  
**Auto-ignition temperature:** no data available  
**Explosive properties:** no data available  
**Explosion limits:** no data available  
**Upper:**  
**Oxidising properties:** no data available  
**Vapour pressure:** no data available  
**Density:**  
**Relative density:** 0.980  
**Vapour density:** no data available  
**Evaporation rate** no data available  
**Solubility(ies)**  
**water:** Insoluble.  
**Partition coefficient: n-octanol/water:** no data available  
**Viscosity:** no data available  
**9.2 Other information** no data available

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.  
**10.2 Chemical stability**  
**Conditions to be avoided:** no data available  
**10.3 Possibility of hazardous reactions** no data available  
**10.4 Conditions to avoid** no data available  
**10.5 Incompatible materials:** Bases  
Oxidizing agents  
**10.6 Hazardous decomposition products:** Formation of toxic gases is possible during heating or in case of fire : CO, HCl

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity** Harmful if swallowed.

**LD/LC50 values relevant for classification:**

Oral	LD50	500-2,000 mg/kg (rat)
------	------	-----------------------

**Primary irritant effect:**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 5)

**Additional toxicological information:**

**Irritation and corrosivity** no data available

**Sensitisation** no data available

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

**12.1 Toxicity** no data available

**12.2 Persistence and degradability** no data available

**12.3 Bioaccumulative potential** no data available

**12.4 Mobility in soil** no data available

**12.5 Results of PBT and vPvB assessment** no data available

**12.6 Other adverse effects** no data available

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation** Do not allow product to reach sewage system or any water course  
Must be specially treated adhering to official regulations.  
Incineration according to regulation in force  
Do not allow to penetrate the ground/soil

**SECTION 14: Transport information**

**14.1 UN-Number**  
**ADR, IMDG, IATA** UN1993

**14.2 UN proper shipping name**  
**ADR** 1993 FLAMMABLE LIQUID, N.O.S. ((chloromethyl) cyclopropane  
CAS N° : 5911-08-0)

**IMDG, IATA** FLAMMABLE LIQUID, N.O.S. ((chloromethyl) cyclopropane  
CAS N° : 5911-08-0)

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 6)

**14.3 Transport hazard class(es)**

**ADR, IMDG, IATA**



**Class** 3 Flammable liquids.  
**Label** 3

**14.4 Packing group**

**ADR, IMDG, IATA** II

**14.5 Environmental hazards:** Not applicable.

**14.6 Special precautions for user** Warning: Flammable liquids.

**EMS Number:** F-E,S-D

**Stowage Category** B

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** not applicable

**ADR**

**Limited quantities (LQ)** 1L

**Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

**Transport category** 2

**Tunnel restriction code** D/E

**Hazard identification number:** 33

**IMDG**

**Limited quantities (LQ)** 1L

**Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

**UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S.  
((CHLOROMETHYL)CYCLOPROPANE  
CAS N° : 5911-08-0), 3, II

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

**Directive 2012/18/EU**  
**Named dangerous substances - ANNEX I**  
**Seveso category**

Substance is not listed.  
P5c FLAMMABLE LIQUIDS

(Contd. on page 8)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 17.12.2021

Version n° 14

Revision: 17.12.2021

**Product identifier (chloromethyl)cyclopropane**  
**CAS N° : 5911-08-0**

(Contd. of page 7)

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Acute Tox. 4: Acute toxicity – Category 4

**\* Data compared to the previous version altered.**