

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Revision date: 30/09/2023

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

### 1.1 Product identifiers

Product name	6-Chlorohexan-2-one
Product Number	PSR46094
Brand	PureSynth research chemicals
CAS No.	10226-30-9

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

Identified uses : PurCert Standard for GC

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

Company	PureSynth Research Chemicals GmbH. 64683 Einhausen Marie-Curie-StraBe. 3, Germany
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### 1.4 Emergency telephone number

Worldwide Helpline No.: 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### Other hazards:

None

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
6-Chloro-2-hexanone	C <sub>6</sub> H <sub>11</sub> ClO	10226-30-9

No components need to be disclosed according to the applicable regulations.

#### SECTION 4: First aid measures

##### Description of first aid measures

<b>General advice</b>	Consult a physician. Show this material safety data sheet to the doctor in attendance.
<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Most important symptoms and effects, both acute and delayed</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Indication of any immediate medical attention and special treatment needed</b>	No data available

#### SECTION 5: Fire fighting measures

<b>Extinguishing media</b> <b>Suitable extinguishing media</b>	Small (incipient) fires must be extinguished with alcohol resistant foam, dry chemical powder or carbon dioxide. Large amounts of water are ineffective. Cool containers with large amounts of water.
<b>Special hazards arising from the substance or mixture</b>	Carbon oxides Hydrogen chloride gas
<b>Advice for fire-fighters</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Further information</b>	Use water spray to cool unopened containers.

#### SECTION 6: Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid breathing vapors, mist or gas. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b>	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wetbrushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.
<b>Reference to other sections</b>	For disposal see section 13.

#### SECTION 7: Handling and storage

<b>Precautions for safe handling</b>	Avoid inhalation of vapor or mist.
<b>Advice on protection against fire and explosion</b>	Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

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

Wash hands before breaks and at the end of workday. For precautions see section 2.2.

Store at a temperature of 2-8°C. 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.

**Specific end use(s)**

Storage class (TRGS 510): 10: Combustible liquids

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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

**Control parameters**

Ingredients with workplace control parameters

**Exposure controls**

**Personal protective equipment:**

**Eye / face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

**Skin 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.

**Body Protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a fullface 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).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

<b>Appearance</b>	Form: Liquid
	Colour: Pale-yellow
<b>Odour</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	85.5 – 86.5 °C at 21 hPa
<b>Flammability (solid,gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Flash point</b>	90.56 °C - closed cup
<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>pH</b>	No data available
<b>Viscosity</b>	No data available
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Density</b>	1.02 g/cm <sup>3</sup> at 25 °C
<b>Relative density</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Particle characteristics</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	none

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No data available
<b>Condition to avoid</b>	Heat, flames and sparks
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	In the event of fire: see section 5

## SECTION 11: Toxicological information

	Oral: No data available
	Inhalation: No data available
	Dermal: No data available
<b>Acute toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	No data available

## SECTION 12: Ecological information

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>Endocrine disrupting properties</b>	No data available
<b>Other adverse effects</b>	No data available

## SECTION 13: Disposal considerations

<b>Waste treatment methods</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleansed containers like the product itself.
<b>Products</b>	
<b>Contaminated packaging</b>	Dispose of as unused product.

## SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Enviromental Hazards
<b>ADR / RID</b>		Not dangerous goods			No
<b>IMDG</b>		Not dangerous goods			No
<b>IATA</b>		Not dangerous goods			No
<b>Special precautions for user :</b> No data available					

#### **SECTION 15: Regulatory information**

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

For this product a chemical safety assessment was not carried out

#### **SECTION 16: Other information**

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used 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. The user must be determined suitability of this information for his application.