

MATERIAL SAFETY DATA SHEET**Product Name:** BENZYL CHLORIDE**CAS No.:** 100-44-7**Version:** 0**1. Identification**

Product Code : 91838
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 4
Acute toxicity, Inhalation : Category 3
Skin irritation : Category 2
Serious eye damage : Category 1
Skin sensitisation : Category 1
Germ cell mutagenicity : Category 1 B
Carcinogenicity : Category 1 B
Specific target organ toxicity - single exposure : Category 3
Specific target organ toxicity - repeated exposure : Category 2

Labels elements

Hazard symbol



Signal word : Danger
Hazard statement : Harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Toxic if inhaled.
May cause respiratory irritation.
May cause genetic defects.
May cause cancer.
May cause damage to organs through prolonged or repeated exposure.
Precautionary statement : Obtain special instructions before use.

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Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear protective gloves/ protective clothing/ eye protection/
face
protection.
IF INHALED: Remove person to fresh air and keep
comfortable for
breathing. Call a POISON CENTER/doctor.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue
rinsing. Immediately
call a POISON CENTER/doctor.
IF exposed or concerned: Get medical advice/ attention.

3. Composition/information on ingredients

Ingredient	:	α -Chlorotoluene
CAS No.	:	100-44-7
Percent	:	NLT 99.0 %
Formula	:	C ₆ H ₅ .CH ₂ Cl
Molecular Weight	:	126.59g/mol

4. First Aid Measures**Description of first aid measures**

General advice	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact	:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Swallowed	:	Get medical advice/attention if you feel unwell. Rinse mouth.
Most important symptoms and effects, both acute and delayed	:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	:	No data available

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Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Carbon oxides, Hydrogen chloride gas

Advice for firefighters : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid breathing vapours, 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.

Conditions for safe storage, including any incompatibilities : Store in cool place. 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. Light sensitive. Moisture sensitive

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Exposure limit	: No data available
Appropriate engineering controls	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment	
Respiratory protection	: Dust respirator. Follow local and national regulations
Hand protection	: Protective gloves.
Eye protection	: Safety glasses. A face-shield, if the situation requires.
Skin and Body Protection	: Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

Appearance	: A clear colourless liquid with a characteristic odour.
Odor	: No data available
pH	: No data available
Melting point/freezing point	: -43 °C - lit.
Initial boiling point and boiling range	: 177 - 181 °C - lit.
Flash Point	: 67 °C
Vapor pressure	: No data available
Vapor density	: 4.37 - (Air = 1.0)
Relative density	: 1.1 g/cm ³ at 25 °C
Solubility in water	: No data available
Solubility (other)	: No data available

10. Stability and Reactivity

Reactivity	: No data available
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No data available
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Contact with common metals (except nickel and lead) or moisture produces a liberation of heat and formation of toxic and corrosive hydrogen chloride benzyl alcohol. This product is not sensitive to physical impact. When st Friedel-Crafts type reaction is minimized. Depletion of the stabilizer in, Oxidizing agents, Iron and iron salts., Brass, Aluminum
Hazardous decomposition products	: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

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Acute toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity		
IARC	:	No data available
NTP	:	No data available
OSHA	:	No data available
Reproductive toxicity	:	No data available
Route of Exposure	:	No data available
Signs and Symptoms of Exposure	:	No data available

12. Ecological Information

Toxicity	:	No data available
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available.
Other adverse effects	:	Toxic to aquatic life.

13. Disposal consideration

Disposal instructions	:	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	:	Dispose of as unused product.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1738	BENZYL CHLORIDE	6.1 (8)	II	NO
IMDG	1738	BENZYL CHLORIDE	6.1 (8)	II	NO
IATA	1738	BENZYL CHLORIDE	6.1 (8)	II	NO

15. Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :01/06/2014****Version : 0**

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