

SAFETY DATA SHEET

Creation Date 02-Feb-2010

Revision Date 25-Apr-2019

Revision Number 8

1. Identification

Product Name	Benzyl chloride, stabilized
Cat No. :	AC405090000; AC405090010; AC405090025; AC405090050; AC405090100; AC405092500
CAS-No	100-44-7

Label Elements

Signal Word

Danger

Hazard Statements

Combustible liquid
May be corrosive to metals
Harmful if swallowed
Causes skin irritation
May c

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Store in corrosive resistant polypropylene container with a resistant inliner

Store in a dry place

Disposal

Dispose of contents/container to an approved waste disposa

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Combustible material. Containers may explode when heated. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Hazardous Combustion Products

Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen chloride gas.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA approved.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless - Amber
Odor	pungent
Odor Threshold	No information available
pH	No information available
Melting Point/Range	-39 °C / -38.2 °F
Boiling Point/Range	179 °C / 354.2 °F @ 760 mmHg
Flash Point	67 °C / 152.6 °F
Evaporation Rate	No information available
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	14 vol %
Lower	1.1 vol %
Vapor Pressure	1.2 mbar @ 20 °C
Vapor Density	4.36 (Air = 1.0)
Specific	

Acute Toxicity**Product Information****Oral LD50**

Category 4. ATE = 300 - 2000 mg/kg.

Dermal LD50

Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg.

Vapor LC50

Category 2. ATE = 0.5 - 2 mg/l.

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzyl chloride	LD50 = 625 mg/kg (Rat)	Not listed	LC50 = 0.74 mg/L (Rat) 2 h
Propylene oxide	LD50 = 520 mg/kg (Rat)	LD50 = 1244 mg/kg (Rabbit)	9.48 mg/L (Rat) 4 h

Toxicologically Synergistic

No information available

Products**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Irritation**

Causes burns by all exposure routes

Sensitization

May cause sensitization by skin contact

Carcinogenicity

Possible cancer hazard. May cause cancer based on animal data. The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Benzyl chloride	100-44-7	Group 2A	Not listed	A3	X	A3

X

X

Other Adverse Effects

The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains. Do not flush into surface water or sanitary sewer system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Benzyl chloride	Not listed			

15. Regulatory information

United States of America Inventory

Component

CAS-No

Benzyl chloride, stabilized

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Propylene oxide	75-56-9	Carcinogen	-	Carcinogen	
U.S. State Right-to-Know Regulations					
Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Benzyl chloride	X	X	X	X	X
Propylene oxide					