



Benzylchlorodimethylsilane

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

1.1 Product identifier

Cas-No. :1833-31-4
Physical state :Liquid
Product name :Benzylchlorodimethylsilane
Formula :C9H13ClSi

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

Use of the substance/mixture :Chemical intermediate. For research and industrial use only

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Flammable Liquid(Category 4)
Skin corrosion/irritation(Category 1B)
Serious eye damage/eye irritation(Category 1)

2.2 Label elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

Signal word :Danger
:H227-Combustible liquid
H314-Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Hazard statement(s)

Precautionary Statements

:P280-Wear protective gloves/protective clothing/eye protection/face protection
P210 - Keep away from heat, open flames, sparks. - No smoking
P260 - Do not breathe vapors
P264 - Wash hands thoroughly after handling
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting

P303+P361+P353 - If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

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 doctor

P363 - Wash contaminated clothing before reuse

P370+P378 - In case of fire: Use water spray, foam, carbon dioxide, dry chemical to extinguish

P403+P235 - Keep in a well-ventilated place

P501-Dispose of contents/container to licensed waste disposal facility.

2.3 Other hazards

No additional information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Name :Benzylchlorodimethylsilane

Cas-No. :1833-31-4

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice :Remove contaminated clothing and shoes.In case of accident or if you feel unwell,seek medical advice immediately(show the label where possible).If possible show this sheet;if not available show packaging or label.

If inhaled :Remove victim to fresh air and keep at rest in a position comfortable for breathing.If you feel unwell,seek medical advice.

In case of skin contact :Wash with plenty of soap and water.

In case of eye contact :Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

If swallowed :Never give anything by mouth to an unconscious person.Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Injuries after inhalation :May cause respiratory irritation. Overexposure may cause: Coughing. Headache. Nausea.

Injuries after skin contact :Causes (severe) skin burns.
Injuries after eye contact :Causes serious eye damage.
Injuries after ingestion :May be harmful if swallowed.
Chronic symptoms :Causes severe skin burns and eye damage

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media :Water spray. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media :Water

5.2 Special hazards arising from the substance or mixture

Fire hazard :Combustible liquid. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

5.3 Advice for firefighters

Firefighting instructions :Use water spray to cool exposed surfaces. Exercise caution when fighting any chemical fire.
Protection during firefighting :Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures :Remove ignition sources. Use special care to avoid static electric charges
Emergency procedures :Evacuate unnecessary personnel.
Protective equipment :Equip cleanup crew with proper protection.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up :Clean up any spills as soon as possible, using an absorbent materials to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling :Avoid all eye and skin contact and do not breathe vapor and mist. Provide good ventilation in process area to prevent accumulation of vapors. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures :Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions :Keep container tightly closed.

Incompatible materials :Acids. Alcohols. Oxidizing agent

Storage area :Store in a well-ventilated place. Store away from heat.

7.3 Specific end use(s)

No additional information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters :No additional information available

8.2 Exposure controls

Appropriate engineering controls :Provide local exhaust or general room ventilation.

Personal protective equipment :Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection :Neoprene or nitrile rubber gloves.

Eye protection :Chemical goggles or face shield. Contact lenses should not be worn.

Skin and body protection :Wear suitable protective clothing.

Respiratory protection :NIOSH-certified organic vapor (yellow cartridge) respirator

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state : Liquid

Molecular mass :184.74g/mol

Appearance :Clear liquid

| | |
|------------------|-----------------------------------------|
| Odor | :Acrid. Similar to hydrogen chloride |
| Boiling point | :101-103°C at 18mmHg |
| Flash point | :73°C |
| Relative density | :0.949 |
| Refractive Index | :1.504 |
| Solubility | : Insoluble in water. Reacts with water |
| VOC content | :No data available |

9.2 Other safety information No additional information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable in sealed containers stored under a dry inert atmosphere.

10.3 Possibility of hazardous reactions

Reacts with water and moisture in air, liberating hydrogen chloride.

10.4 Conditions to avoid

Heat. Open flame. Sparks.

10.5 Incompatible materials

Acids. Alcohols. Oxidizing agent.

10.6 Hazardous decomposition products

Hydrogen chloride. Organic acid vapors.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| | |
|-----------------------------------|---------------------------------|
| Acute toxicity | :Not classified |
| Skin corrosion/irritation | :Not classified |
| Serious eye damage/irritation | :Causes serious eye irritation. |
| Respiratory or skin sensitization | :Not classified |
| Germ cell mutagenicity | :Not classified |
| Carcinogenicity | :Not classified |

| | |
|----------------------------------------------------|----------------------------------------------------------------------------------------|
| Reproductive toxicity | :Not classified |
| Specific target organ toxicity (single exposure) | :Not classified |
| Specific target organ toxicity (repeated exposure) | :Not classified |
| Aspiration hazard | :Not classified |
| Symptoms/injuries after inhalation | :May cause respiratory irritation. Overexposure may cause: Coughing. Headache. Nausea. |
| Symptoms/injuries after skin contact | :Causes (severe) skin burns. |
| Symptoms/injuries after eye contact | :Causes serious eye damage. |
| Symptoms/injuries after ingestion | :May be harmful if swallowed |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information available

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

No additional information available

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

| | |
|------------------------------|------------------------------------------------------|
| Other adverse effects | :This substance may be hazardous to the environment. |
| Effect on ozone layer | :No additional information available |
| Effect on the global warming | :No known ecological damage caused by this product. |

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Packaging disposal recommendations | :Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. |
| Ecology - waste materials | :Avoid release to the environment. |

14. TRANSPORT INFORMATION

14.1 UN number

| | |
|-------------|------|
| UN-No.(DOT) | 2987 |
|-------------|------|

DOT NA no. :UN2987

14.2 UN proper shipping name

ADR/RID:Chlorosilanes, corrosive, n.o.s. (BENZYL DIMETHYLCHLOROSILANE)

IMDG:Chlorosilanes, corrosive, n.o.s. (BENZYL DIMETHYLCHLOROSILANE)

IATA:Chlorosilanes, corrosive, n.o.s. (BENZYL DIMETHYLCHLOROSILANE)

14.3 Transport hazard class(es)

ADR/RID:8

IMDG:8

IATA: 8

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

14.5 Environmental hazards

ADR/RID: no

IMDG Marine Pollutant: no

IATA: no

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2018.