2 - Hazards Identification

3 - Composition/Information on Ingredients

Product Name CAS# EC no Annex I DIMETHYL DIETHYLMALONATE, 99% 27132-23-6 248-242-8 None

C9H16O4 Formula Molecular Weight 188.23 AMU

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT

In case of contact, immediately flush eyes with copious amounts

of water for at least 15 minutes.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

SPECIAL RISKS Specific Hazard(s): Combustible liquid. Emits toxic fumes under

fire conditions. SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP Cover with dry lime or soda ash, pick up, keep in a closed container, and hold for waste disposal. Ventilate area and wash

spill site after material pickup is complete. 7 - Handling and Storage

HANDLING

Directions for Safe Handling: Avoid breathing vapor. Avoid

BP/BP Range

Vapor Pressure

contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. **STORAGE**

and open flame. Store in a cool dry place.

8 - Exposure Controls / Personal Protection

Conditions of Storage: Keep tightly closed. Keep away from heat

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

PERSONAL PROTECTIVE EOUIPMENT Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US)

or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

97 °C

N/A

N/A

17 mmHg

Method: closed cup

Hand Protection: Compatible chemical-resistant gloves. Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties рН N/A

MP/MP Range 80 °C Flash Point Flammability N/A Autoignition Temp N/AOxidizing Properties N/A**Explosive Properties** N/A **Explosion Limits** N/A

SG/Density 1.04 g/cmPartition Coefficient N/AViscosity N/AVapor Density N/ASaturated Vapor Conc. N/A**Evaporation Rate** N/A**Bulk Density** N/ADecomposition Temp. N/ASolvent Content N/A N/A Water Content Surface Tension N/A Conductivity N/A Miscellaneous Data N/ASolubility N/A

HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

10 - Stability and Reactivity

STABILITY

11 - Toxicological Information SIGNS AND SYMPTOMS OF EXPOSURE

Materials to Avoid: Strong oxidizing agents, Strong bases.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

skin absorption. May cause irritation.

ROUTE OF EXPOSURE Multiple Routes: May be harmful by inhalation, ingestion, or

12 - Ecological Information

13 - Disposal Considerations

No data available.

SUBSTANCE DISPOSAL This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal,

state, and local environmental regulations. 14 - Transport Information

RID/ADR Non-hazardous for road transport.

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

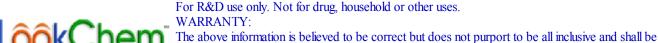
15 - Regulatory Information

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 3 Self-Classification

16 - Other Information





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