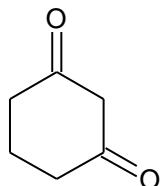


1,3-Cyclohexanedione

Bulk Chemicals and Intermediates | Technical Data Sheet

Synonyms

Cyclohexane-1,3-dione; Dihydroresorcinol; Hydroresorcinol



Molecular formula	C ₆ H ₈ O ₂
Molecular weight	112.13
CAS number	504-02-9
EINECS number	207-980-0

Specifications

Appearance	Off-white to yellowish powder
Purity (by HPLC)	99% minimum
Moisture (by KF)	0.5% maximum

Physical properties

Melting point	103°C to 105°C
Flash point	132°C
Bulk density	482 kg/m ³ at 20°C
Solubility in water	Soluble

Description

1,3-Cyclohexanedione is an off-white to yellowish powder.

Applications

Intermediate for agrochemicals and pharmaceutical products

Packaging

1,3-Cyclohexanedione is available in 20 kg paper boxes. Other packaging may be considered on request.

Storage and handling

Store in a properly labeled and tightly closed container below 15°C. Keep the container in a dry and well-ventilated area, away from any possible source of ignition and light. Avoid contact with skin and eyes. Minimise dust generation. Avoid prolonged or repeated breathing of dust. Observe good personal hygiene practices and recommended procedures. Protect the container from physical damage. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.

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Safety

Use approved respiratory equipment when airborne concentrations are unknown or exceed the exposure limit. Wear safety glasses with side shields or chemical goggles. Use thermal protective or rubber gloves as required. Always refer to the SDS for detailed information on safety.

First aid

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical aid.

Skin contact: Wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash them before reuse. Get immediate medical aid.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation: Shift the affected person to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation. If the individual has ingested or inhaled the substance, induce artificial respiration with the aid of a mask equipped with a one-way valve or any other appropriate respiratory medical device. Get immediate medical aid.

Spills and disposal

In case of spills, sweep the material and flush spilled area with water. Do not allow it to contaminate the groundwater system. Collect the spilled material and keep in a sealed container for later disposal or reclamation. This product is a hazardous waste when it is discarded or intended to be discarded. Send to a controlled waste disposal area or burn in accordance with the federal, state or local regulation(s) in force.

Contact

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