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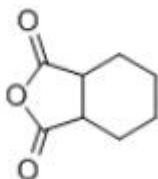
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Technical Data Sheet

Hexahydrophthalic anhydride

Product Information

Chemical Name	Hexahydrophthalic anhydride
CAS #	85-42-7
EINECS	201-604-9
Formula	C ₈ H ₁₀ O ₃
Molecular Weight	154.16
Synonyms	Cyclohexane-1,2-dicarboxylic anhydride; HHPA.;HHPA;
Chemical Structure	



Description

Hexahydrophthalic anhydride is a white solid form under 35°C and become liquid form over 35°C. It can be boiling at 158°C. This product is soluble in acetone, ethanol, Ethyl acetate, chloroform, carbon tetrachloride, benzene and toluene;, and slightly soluble in petroleum ether. But it is insoluble in water.

Physical Properties

Melting point, °C .	35
Boiling range, °C	158

Specification

Item	Industry Grade
Content, % min	99.0
Acid content, % max	1.0
Iodine value, % max	1.0
Freezing point, °C	34.0-38.0
Color, Pt-co Max	50

Safety

This product is not regulated as a hazardous substance either in packing group or shipping. Disposal must be made according to local and national regulations. Avoid to contact eyes since it may cause serious eye damage. It may cause allergy or asthma symptoms or breathing difficulties if inhaled. It may cause an allergic skin reaction if on skin. Always refer to the Material Safety Data Sheet (MSDS).

Applications

Hexahydrophthalic anhydride is used as hardeners for epoxy resins, curing agent for epoxy resin, polyester resin, adhesives, plasticizer and some intermediates of anti-rust materials.

Packaging

220kg per iron drum.
17.60 mt per 20ft container

Storage & Handling

Hexahydrophthalic anhydride should be avoid to be contacted with skin and eyes. Avoid forming dust and aerosol. In places where dust is formed, provide proper ventilation equipment. Stored in a cool place. Keep container tightly closed in a dry and well-ventilated place. Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

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