



Specialized in chemicals

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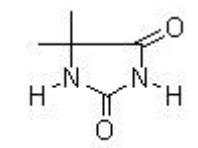
Technical Data Sheet

5,5-Dimethylhydantoin

Product Information

Chemical Name	5,5-Dimethylhydantoin
CAS #	77-71-4
Formula	C ₅ H ₈ N ₂ O ₂
Molecular Weight	128.13
Synonyms	5,5-Dimethyl-2,4-imidazolidinedione; 5,5-Dimethylimidazolidine-2,4-dione

Chemical Structure



Description

It is white crystal powder, dissoluble in water ethanol, ethylacetate and dimethylether; less dissoluble in isopropanol, acetone and methylethyl ketone;nondissolve in fatty hydrocarbon and trichlene.

Physical Properties

Melting point, °C .	174-177
Flash point, °C	193
PH	5.0-5.6

Specification

Appearance	White crystal powder
Purity	≥99%
Melting Point(°C)	174~176
Drying Loss	≤0.5
Ash After Burning	≤0.2

Safety

It can transported as common chemicals but cannot be mixed with other poisonous stuff.

Always refer to the Material Safety Data Sheet (MSDS)

Applications

It is mainly used for synthetic halide hydantoin, hydantoin epoxide resin and hydantoin formaldehyde resin. If heated in water, it is also can be made to dimethyl glycine. It can be made organic chemical compound to kill insects.

Packaging

25kg per bag, 16mt per 20ft container

Storage & Handling

Keep in cool and dry, avoid putting together with injurant for fear of pollution.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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