



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418695

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

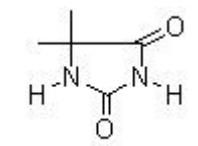
Technical Data Sheet

5,5-Dimethylhydantoin

Product Information

Chemical Name	5,5-Dimethylhydantoin
CAS #	77-71-4
Formula	C5H8N2O2
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.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 65418695
Fax: (0086) 551 65418697
Email: info@tnjchem.com
Site: www.tnjchem.com