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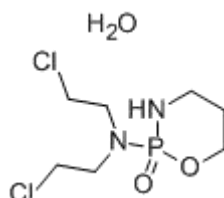
Site: www.tnjchem.com

## Technical Data Sheet

# Cyclophosphamide

### Product Information

Product Name	Cyclophosphamide
Synonyms	Cyclophosphamide hydrate; Cyclophosphamide monohydrate
CAS No.	6055-19-2
EINECS No.	200-015-4
Molecular formula	C <sub>7</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub> P
Molecular weight	279.10
Chemical structure	



### Physical Properties

White crystal or crystalline powder.

Slightly soluble in alcohol, benzene, ethylene glycol, carbon tetrachloride, hardly soluble in ether and acetone.

Loss of water of crystallization is liquefied, aqueous solution is not stable. Odourless, taste bitter.

Melting Point	49-51 °C
Boiling Point	336.1 °C at 760 mm Hg
Flashing Point	230 °F
Water solubility	40g/L

## Specification

<u>Items</u>	<u>Specification</u>
Appearance	A White or almost white crystalline powder
PH	4.0-6.0
Related substances	Impurity $\leq$ 1.0%
Chlorides	$\leq$ 330ppm
Phosphates	$\leq$ 100ppm
Heavy metals	$\leq$ 10ppm
Water	6.0%-7.0%
Assay	98.0%-102.0%
Bacterial endotoxins	$\leq$ 0.2EU/mg
Sum of aerobic microorganisms	$\leq$ 200cfu/g

## Safety

Cyclophosphamide is hazard class 6.1 dangerous material, it's belong to poisonous material.  
Always refer to the Material Safety Data Sheet (MSDS)

## Applications

Cyclophosphamide is immunosuppressive agents and antineoplastic medicine.  
Mainly used for malignant lymphoma, acute lymphoblastic leukemia, chronic lymphocytic leukemia, breast cancer, ovarian and testicular cancer, multiple myeloma, neuroblastoma, head and neck cancer, colon cancer and so on

## Packaging

5kg aluminum tin, 10kg aluminum can, and 25kg fiber drum, or as per customer's requirements

## Storage & Handling

Store in 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.

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

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