

MATERIAL SAFETY DATA SHEET

Introductory Details

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Date of preparation : 17 March 2004
Date revised : 24 December 2007

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : HI-NK
Trade Name : HI-NK
Chemical Name : -
Chemical Formula : -
Molar Mass : -
Chemical Family : -
Manufacturer's Code : -
Use : Foliar Fertilizer

1.2 Company Identification

Manufacturer

Name and Address : Agricultural Chemical (M) Sdn. Bhd.
962, Lorong Perusahaan 8, Taman Perindustrian Perai,
13600 Perai, Pulau Pinang, Malaysia.
Telephone Number : 604-390 7988
Emergency Telephone Number : 604-390 7988

1.3 Contact Point

Designation : Ms. Cheong Wai Ching, Product Support Manager /
En. Ahmad Labib bin Yusof, Administrative Assistant
Tel. No. : 604-390 7988

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SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
Zinc compound	7646857	< 1%	Refer to Section 9	No data available
Boron compound	10043-35-3	< 1%		
Copper compound	7758-98-7	< 1%		
Manganese compound	7785-87-7	< 1%		
Chelating agent	-	> 10%		
Buffering agent	77-92-9	< 1%		
Others	-	Balance		

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Greenish flowable
Odour : Characteristic odour
Solubility : Soluble in water
Boiling Point : 40°C
Melting Point (°C) : No data available
Vapour Pressure (mm of Hg at 25°C) : No data available
Percentage Volatiles : No data available
Evaporation Rate : No data available
Vapour Density : No data available
Specific Gravity : 1.36
Flash Point : Not applicable
Autoignition temperature : No data available
Flammable limit (%) : No data available

SECTION 4 : HAZARD IDENTIFICATION

Not classified as hazardous under CPL regulations.

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SECTION 5 : FIRST AID MEASURES

Ingestion : If swallowed seek medical advice immediately. Do not induce vomiting.
Eye contact : Immediately flush with plenty of water. Get medical attention.
Skin contact : Remove contaminated clothing and wash skin thoroughly with soap and water.
Inhalation : Remove to fresh air. If breathing difficulty occurs, get medical attention.
Notes to physician : No symptoms of poisoning have been reported.
Treatment is symptomatic.

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media : Foam, CO₂, dry chemical.
Fire fighting instruction : Fire fighters should wear full-faced self contained breathing apparatus and protective clothing.
Special hazards : None

SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak and/or Spill :
Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Keep all sources of ignition away from the spillage. Contain and adsorb the spillage with inert material such as clay or earth. Collect into waste container. Wash the contaminated area with a little water and detergent. Contain and adsorb with inert material and collect into the same container for disposal. Prevent the spillage from entering local drainage system.

SECTION 8 : HANDLING AND STORAGE

Handling : Wear protective gloves while handling. Read the label before use.
Storage : Store in original container, tightly closed away from foodstuffs and children.

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

a. Exposure Limit : No data available
b. Engineering measures : General ventilation
c. Personal protection : Wear protective gloves if necessary

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SECTION 10 : STABILITY AND REACTIVITY

Conditions to avoid : Direct sunlight, heat or extreme temperature
Incompatible : Strong acids or strong alkalines
Decomposition Products : None
Hazardous polymerization : None
Stability : Stable under normal conditions.

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicity Data : Low toxicity
Carcinogenicity : No data available
Reproductive Effect : No data available
Effects of overexposure : No data available
Chronic effects : No data available
Target organs : No data available

Medical Conditions Generally Aggravated by Exposure : No data available

SECTION 12 : ECOLOGICAL INFORMATION

Mobility & Bioaccumulation : No data available
Biodegradability : No data available
Aquatic Toxicity : No data available

SECTION 13 : DISPOSAL INFORMATION

Dispose of according to local regulation.

SECTION 14 : TRANSPORT INFORMATION

Follow the precaution indicated in the storage and handling section. Follow all regulations in your country.

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SECTION 15 : REGULATORY INFORMATION

CPL Regulations : Not classified as hazardous under CPL regulations.

SECTION 16 : OTHER INFORMATION

Reference : Guidelines for The Classification of Hazardous Chemicals, DOSH 1997
Guidelines for The Formulation of A Chemical Safety Data Sheet, DOSH 1997
Guidelines for Labelling of Hazardous Chemicals, DOSH 1997

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.