

CH Biotech R&D Co., Ltd.

Safety Data Sheet

SDS # CHB-004

Section 1 Identification

Supplier address: No.121, Xian'an Road, Xianxi Township, Changhua County 50741, Taiwan (R.O.C.)
Supplier telephone: +886-47060133
Supplier email: info@chbio.com.tw
Chemtrec: +1-800-424-9300
TSCA Status: Exempt
Product name: **Kinetin Technical**
Molecular formula: C₁₀H₉N₅O
Molecular weight: 215.22
Product use: Plant growth regulator

Section 2 Hazard(s) identification



Signal Word: WARNING

KEEP OUT OF REACH OF CHILDREN

WARNING – HARMFUL IF SWALLOWED– HARMFUL IF INHALED – POSSIBLE SKIN IRRITATION – CAUSES MILD EYE IRRITATION – MAY CAUSE AN ALLERGIC SKIN REACTION

Eye Contact: May cause eye irritation
Skin Contact: May cause skin irritation, may be absorbed through skin
Ingestion: Ingestion of large amounts may cause gastrointestinal irritation
Inhalation: May cause respiratory tract irritation
Prevention: Wash thoroughly after handling
Wear protective gloves, protective clothing/eye protection, face protection

Section 3 Composition/information on ingredients

<u>Identity</u>	<u>CAS #</u>	<u>Typical (% w/w)</u>
Kinetin (synthetic Cytokinin)	525-79-1	98.5
Other ingredients		1.5

Section 4 First aid measures

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.
If on skin: Immediately wash material off the skin with plenty of soap and water. If unable to wash immediately or tingling, numbness or a burning sensation develops apply skin cream or an oil-based solution to the affected area. If irritation persists, get medical attention.
If swallowed: Provided the patient is conscious, wash out mouth with water. Immediately contact medical personnel or an emergency facility. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water.
If inhaled: Remove victim to fresh air. If not breathing, giving artificial respiration, preferably mouth to mouth. If breathing is labored, give oxygen. Obtain medical attention.

Provide symptomatic/supportive care as necessary.

Section 5 Fire-fighting measures

Extinguishing Media: Use appropriate medium for underlying cause of fire.
Procedures: Wear protective clothing and self-contained breathing apparatus
Unusual fire/Explosion hazards: N/D

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

Section 7 Handling and storage

Storage conditions: Keep container tightly closed when not in use.
Spill or release procedures: Recover product and place in appropriate container for disposal. Avoid raising dust. Ventilate and wash area.
Waste disposal: Dispose of product in accordance with federal, state and local regulations.

Section 8 Exposure controls/personal protection

Control parameters:
Components with workplace control parameters
Contains no substances with occupational exposure limit values.

Exposure controls:
Appropriate engineering controls
General industrial hygiene practice.

Personal protective equipment:

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

Section 9 Physical and chemical properties

Appearance:	White odorless crystals
Solubility:	51.0 mg/L (25°C)
Boiling point:	N/D
pH:	7.4 (25°C)
Density:	1.4374 g/cm ³ (25°C)
Vapor pressure:	N/D
Melting Point:	265-266°C

Section 10 Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid:	No data available
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	
Other decomposition products:	No data available
In the event of fire:	See section 5

Section 11 Toxicological information

Acute Oral:	LD ₅₀ >5000 mg/kg (rats)
Acute Dermal:	LD ₅₀ >5000 mg/kg (rats)
Acute Inhalation:	LC ₅₀ >2.09 mg/L (rats)
Dermal Irritation:	Non-irritating (rabbits)
Eye Irritation:	Mildly irritating (rabbits)
Dermal Sensitization:	Not considered to be a contact sensitizer (guinea pigs)

Section 12 Ecological information

Toxicity:	
Toxicity to fish:	No data available
Toxicity to daphnia and other aquatic invertebrates:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects:	No data available

Section 13 Disposal considerations

Disposal method:	Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
Container disposal:	Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Section 14 Transport information

Not dangerous goods

Section 15 Regulatory information

No data available

Section 16 Other information

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Legend: N/D = Not determined
 N/L = Not listed

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