

CH Biotech R&D Co., Ltd.

Safety Data Sheet

SDS # CHB-003

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: **Technical 3-Indolebutyric Acid**
Molecular formula: C₁₂H₁₃NO₂
Molecular weight: 203.24 g/mol
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>
Indole-3-Butyric Acid	133-32-4	98
Other ingredients:		2

Section 4 First-aid measures

If in eyes: Immediately flush 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.

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:
Wear respiratory protection. Avoid dust formation. Avoid breathing vapor, mist or gas. Ensure adequate ventilation.
Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:
Pick up and arrange disposal without creating dust. 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

Precautions for safe handling:
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.

Conditions for safe storage, including any incompatibilities:
Keep container tightly closed in a dry and well-ventilated place.
Light sensitive. Store under inert gas. Air sensitive. Keep in a dry place.

Specific end use(s):
Apart from the uses mentioned in section 1 no other specific uses are stipulated

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:
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses 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

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9 Physical and chemical properties

Appearance:	Off white crystal
Boiling point:	N/D
Vapor Density:	N/D
Vapor pressure:	N/D
Melting Point:	122-124°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, Strong bases
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 >2.08 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:
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life: No data available

Section 13 Disposal considerations

Disposal method: Do not contaminate waterways by cleaning of equipment or by disposal of wastes.
Container disposal: Empty container retains product residue. Observe all hazard precautions. Do not distribute or make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residues from container and puncture or otherwise destroy empty container before disposal.

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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