Date: Apr.3rd, 2025

MATERIAL SAFETY DATA SHEET

HEBEI JRAIN TECHNOLOGY CO.,LTD.
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KINETIN

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical product name	:	6-Furfurylaminopurine
Common chemical name	:	Kinetin
Synonyms	:	--
Chemical formula	:	$C_{10}H_9N_5O$ = 215.2
CAS no.	:	525-79-1
RTECS no.	:	AU6270000
EC no.	:	208-382-2
Supplier's name	:	HEBEI JRAIN TECHNOLOGY CO.,LTD.
Supplier's address: :	:	No. 66 XIANGTAI ROAD, YUHUA DISTRICT, SHIJIAZHUANG CITY, HEBEI PROVINCE,CHINA.
Emergency telephone		86-311-80680379
	:	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation:

Chemical name	CAS no.	% (w/w)	Symbol	R phrases
Kinetin	525-79-1	>98	none	none

No hazardous product as specified in directive 67/548/EEC

3. HAZARDS IDENTIFICATION

Physical/chemical hazards	:	May be harmful by inhalation, ingestion or skin absorption. May cause eye and/or skin irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
Environmental hazards	:	None
Effect(s) of (over)exposure	:	--
Symptom(s) of (over)exposure	:	--
Inhalation	:	--
Ingestion	:	May cause irritation
Skin contact	:	May cause irritation
Eye contact	:	--
Aggravating conditions		

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4. FIRST AID MEASURES

Fresh air. If you feel unwell seek medical advice and show the MSDS if possible

SKIN CONTACT	:	Take off contaminated clothes. Wash skin with soap and copious amounts ofwater.
EYE CONTACT	:	Rinse eyes with copious amounts ofwater for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
INHALATION	:	If inhaled, remove from exposure to fresh air. Ifnot breathing, give artificial respiration. Ifbreathing is difficult, give oxygen.
INGESTION	:	If swallowed, wash out mouth with water and try to induce vomiting, provided person is conscious. Obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable	:	Fight fire with water spray, CO_2, dry chemical powder or appropriate foam.
Hazardous thermal decomposition and combustion products	:	Could cause fire in high temperatures. When heated to decomposition material emit irritating and toxic fumes (NO_x) and gases, CO, CO_2.
Special fire fighting procedures	:	None

Protection of fire-fighters	:	Fire-fighters must wear self contained breathing equipments and impervious clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Avoid contact with skin and eyes. Do not swallow. Do no breathe dust.
Environmental precautions	:	None
Methods for cleaning up	:	Sweep up into appropriate container for disposal. Clean any spills immediately, following handling procedures. Provide ventilation. Avoid dust. Wear suitable protective clothing. Use rubber gloves and eye/face protection

7. HANDLING AND STORAGE

Handling	:	Follow proper laboratory procedures and wear proper protective gear for handling. Material may not be disposed of in trash. Material may not be flushed down drain. Use with adequate ventilation.
Storage	:	Store in a cool, dry, well-ventilated area in a tightly closed container at 2 – 8°C.
Packaging materials	:	Glass or plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	:	Facilities storing or using this material should be equipped with a safety shower and eyewash facility.
Hygienic measures	:	Do not eat, drink and/or smoke during work. Wash after handling.
Personal protection		
Respiratory system	:	Do not inhale powder
Skin and body	:	Use protective
Hands	:	clothing. Use gloves
Eyes	:	Use eye/face protection.
Occupational exposure limits		

TLV (USA)	:	--
“MAK” (Germany)	:	--
MAC (Netherlands)	:	--

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Powder
Color	:	Yellowish, brownish
Odor	:	
Melting point	:	265 – 270°C
Boiling point	:	--
Density	:	--
Solubility	:	Soluble in 1 N NaOH, slightly soluble in cold water
Flash point	:	--
Lower explosion limit	:	--
Upper explosion limit	:	--

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10. STABILITY AND REACTIVITY

Stability	:	Stable at room temprature
Conditions to avoid	:	High temperatures, incompatible materials, dust generation Strong oxidizing agents.
Materials to avoid	:	
Hazardous decomposition	:	Nitrogen oxides, carbon monoxide, carbon dioxide and irritating and toxic fumes and gases.
Hazardous polymerization	:	None

11. TOXICOLOGICAL INFORMATION

Acute toxicity		The properties of this compound have not been thoroughly investigated. Possibly toxic via oral, inhalation and absorption.
Intraperitoneal	:	
Subcutaneous	:	LD_{50} mouse 450 mg/kg
Inhalation	:	Possibly harmful through absorption Possibly harmful. Dust can be irritating for mucous tissues and upper respiratory tract
Eye irritation	:	
Skin irritation	:	Can cause irritation
Sensitization	:	Signs and symptoms ofexposure: unknown. May include moderate to severe erythema (redness) and moderate edema (raised skin) --
Chronic toxicity	:	The properties of this compound have not been thoroughly investigated.

		Possibly toxic via oral, inhalation and absorption.
Carcinogenicity	:	Not known
Mutagenicity	:	Not known

12. ECOLOGICAL INFORMATION

Mobility	:	Slightly water soluble
Persistence and degradability	:	The material is readily biodegradable
Bioaccumulative potential	:	--
Ecotoxicity	:	Data not yet available

13. DISPOSAL CONSIDERATIONS

Responsibility ofthe receiver to have knowledge of national and local regulations.

Product:
There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally

Count as special waste. The disposal ofthe latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge of approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging:
Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. Ifnot officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

Methods of disposal of spilled : Use only licensed disposal and waste hauling companies. Disposal of small amounts material may be handled as described under 6 “Methods for cleaning up”. Large spills must be dealt with separately and must be handled by qualified disposal companies

14. TRANSPORT INFORMATION

UN Number	:	--
Maximum filing grade tank	:	--
Proper shipping name	:	--

Road/Railway/Inland waterways

ADR/RID/ADNR Class	:	NON HAZARDOUS
Hazard identification number	:	--

Sea

IMDG Class	:	NON HAZARDOUS
Packaging group	:	--
Air	:	--
ICAO-TI Class	:	NON HAZARDOUS
Packaging group	:	--
Packing instructions (PA)	:	--
Packing instructions (CAO)	:	--

15. REGULATORY INFORMATION

Responsibility ofthe receiver to have knowledge of national and local regulations.

EC Classification :

Label name	:	None
Hazard symbol	:	None
Risk phrases	:	None
Safety phrases	:	22: Do not breath dust
24/25	:	Avoid contact with skin and eyes

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16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ZHEJIANG DAPENG PHARMACEUTICAL CO., LTD. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

HEBEI JRAIN TECHNOLOGY CO.,LTD.