SAFETY DATA SHEET

1. IDENTIFICATION

Product name:
Company:
Address:
Responsible Department:
Telephone:
E-mail:

1,3-Diphenylguanidine HENAN KAILUN CHEMICAL CO.,LTD. Lijiang East Rd,Hua County,Henan Province,China Sales Department +86-18567812865 jackyliu@kailunchem.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture PHYSICAL HAZARDS HEALTH HAZARDS Acute toxicity (Oral) Skin corrosion/irritation Serious eye damage/eye irritation Reproductive toxicity Specific target organ toxicity - Single exposure [Category 3] ENVIRONMENTAL HAZARDS Acute aquatic hazard Long-term aquatic hazard Label elements Pictograms or hazard symbols



Hazard statements

Precautionary statements

Not classified

Category 4 Category 2 Category 2A Category 2 Respiratory tract irritation, Narcotic effects

Category 2 Category 2

Warning Harmful if swallowed Causes skin irritation Causes serious eye irritation Suspected of damaging fertility or the unborn child May cause respiratory irritation May cause drowsiness or dizziness Toxic to aquatic life Toxic to aquatic life with long lasting effects

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust, fume, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves, protective clothing, face protection. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse

[Response]

[Prevention]

	mouth.
	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clething and wash it before rouse
	attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a
	POISON CENTER or doctor if you feel unwell.
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or
	attention.
	IF exposed or concerned: Get medical advice or attention. Collect
	spillage.
[Storage]	Store in a well-ventilated place. Keep container tightly closed.
	Store locked up.
[Disposal]	Dispose of contents and container in accordance with local, regional, national
[51596501]	regulations.
3. COMPOSITION/INFORMATI	
Substance/mixture:	Substance
Components:	1,3-Diphenylguanidine
Percent:	>98.0%(T)
CAS RN:	102-06-7
Chemical Formula:	C13H13N3
4. FIRST AID MEASURES	
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable forbreathing.
	Get medical advice/attention.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of
	soap and water. Get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and
	easy to do. Get medical advice/attention.
Ingestion:	Get medical advice/attention.Rinse mouth.
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber gloves and air-
	tight goggles.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing	Dry chemical, foam, water spray, carbon dioxide.
media:	
	Take care as it may decompose upon combustion or in high temperatures to
the chemical:	generate poisonous fume.
Precautions for firefighters: F	ire-extinguishing work is done from the windward and the suitable
-	fire-extinguishing method according to the surrounding situation is used.
	Uninvolved persons should evacuate to a safe place. In case of fire in the
	surroundings: Remove movable containers if safe to do so.
Special protective equipment	When extinguishing fire, be sure to wear personal protective equipment
for firefighters:	
-	
6. ACCIDENTAL RELEASE MEAS	SURES

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Personal precautions,	Use personal protective equipment. Keep people away from and upwind of spill/leak.	
protective equipment and	Entry to non-involved personnel should be controlled around the leakage area by roping	
emergency procedures:	off, etc.	
Environmental precautions: Be careful not to let it flow into rivers, etc., since adverse effects on the		
	environment are concerned.	
Methods and materials for containment and cleaning up:	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.	

7. HANDLING AND STORAGE

Handling is performed in a well ventilated place. Wear suitable protective
equipment. Prevent dispersion of dust. Wash hands and face thoroughly after
handling.
Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.
Avoid all contact!
g any incompatibilities
Keep container tightly closed. Store in a cool, dark and well-ventilated place.
Store locked up.
Store away from incompatible materials such as oxidizing agents.
Comply with laws.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Personal protective equipment	Install a closed system or local exhaust. Also install safety shower and eyebath.
Respiratory protection: Dus	t respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection:	Safety goggles. A face-shield, if the situation requires.
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°	C): Solid
Form:	Crystal - Powder
Colour:	White - Almost white
Odour:	Nearly odorless
pH:	No data available
Melting point/free	zing point: 147°C
Boiling point/rang	e: No data available
Flash point:	No data available
Flammability or ex	plosive limits:
Lower:	No data available
Upper:	No data available
Vapour pressure:	0.17kPa/20°C
Relative density:	No data available
Solubility(ies):	
[Water]	Very slightly soluble (1g/L, 25°C)
[Other solvents]
Soluble:	Ether, Alcohols, Chloroform
Log Pow:	1.69

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under proper conditions.
Possibility of hazardous	No special reactivity has been reported.
reactions:	
Incompatible materials:	Oxidizing agents, Strong acids
Hazardous decomposition	Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)
products:	

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	orl-rat LD50:323 mg/kg
	skn-rbt LD50:>794 mg/kg
	ipr-rat LD50:75 mg/kg
Skin corrosion/irritation:	No data available
Serious eye	No data available
damage/irritation:	
Germ cell mutagenicity:	mmo-sat 33 ug/plate (-S9)
	mmo-sat 360 ng/plate (+S9)
	bfa-mus-sat 36 ng/kg
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	orl-mus TDLo:56 mg/kg (7D male)
	orl-mus TDLo:196 mg/kg (49D male) orl-
	mus TDLo:190 mg/kg (1-19D preg) orl-
	mus TDLo:76 mg/kg (1-19D preg)
RTECS Number:	MF0875000

12. ECOLOGICAL INFORMATION

48h LC50:10 ppm (Oryzias latipes) 96h
LC50:17 mg/L (Oryzias latipes)
48h EC50:8.1 mg/L (Daphnia magna)
72h EC50:7.6 mg/L (Selenastrum capricornutum)
0 % (by BOD) , 1.7 % (by TOC) , 1.3 % (by UV-VIS)
0.4 - 2.0 (conc. 0.1 ppm) , 1.0 - 20 (conc. 0.01 ppm)
1.69
No data available
No data available

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

Hazards Class:	9: Miscellaneous dangerous goods.
UN-No:	3077
Proper shipping name:	Environmentally hazardous substance, solid, n.o.s.
Packing group:	III
Marine pollutant	Y

15. REGULATORY INFORMATION

Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.