



## Material Safety Data Sheet

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Dicyandiamide 99.5% min.  
MANUFACTURER: Ningxia Jiafeng Chemicals Co., Ltd.  
Changcheng zone, Hongguozi, Huinong  
Dist., Shizuishan, Ningxia, China.  
Tel: +86-952-7682302  
Fax: +86-952-7681172

### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number: 461-58-5  
Chemical Dicyandiamide  
Description: White Crystal  
Purity: 99.5% min.  
Chemical Name: Cyanoguanidine  
Product Class: Superfine grade

### SECTION 3 - HAZARDS IDENTIFICATION

PRODUCT SIGNAL WORD: Caution  
PRODUCT HAZARDS: Nuisance Dust  
CHRONIC EFFECTS: None  
EYE: May cause eye irritation  
INHALATION: Inhalation of dust particles will cause  
respiratory irritation.  
SKIN CONTACT: Possible skin irritant  
INGESTION: May cause gastroenteritis  
HMIS HAZARD RATING: HEALTH - 0 FLAMMABILITY - 1 REACTIVITY - 0  
PERSONAL PROTECTION - C  
NFPA HAZARD RATING: HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 0  
CARCINOGENICITY: Not listed as an IARC, OSHA OR ACGIH potential  
carcinogen  
SPECIAL PRECAUTIONS IN Handle as appropriate for any potentially  
hazardous chemical.



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## SECTION 4 - FIRST AID MEASURES

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EYES: Flush with water immediately. Continue to flush for 30 minutes and obtain emergency medical attention.

SKIN: Wash exposed skin with soap and water. Remove contaminated clothing and launder before re-use, if irritation develops get medical attention.

INGESTION: Induce vomiting only if person is conscious. Obtain emergency medical help.

INHALATION: Remove to fresh air and get medical attention.

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## SECTION 5 - FIREFIGHTING MEASURES

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FLAMMABILITY CLASSIFICATION: Not flammable

LOWER EXPLOSIVE LIMITS: N/A

FIRE & EXPLOSIVE HAZARDS: Will decompose only at high temperatures

FLASH POINT: N/A

EXTINGUISHING MEDIA: Carbon dioxide, foam, water

SPECIAL FIREFIGHTING: Use self-contained breathing apparatus and impervious turn out gear

PROCEDURES:

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN THE EVENT OF A SPILL: Sweep up using sweeping compound to prevent the generation of airborne

WASTE DISPOSAL: Spilled material, unused contents and empty drums must be disposed of following federal, state and local regulations. Do not reuse drum unless it is professionally cleaned.

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## SECTION 7 - HANDLING AND STORAGE



**HANDLING:** Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Wash thoroughly after handling.

**STORAGE:** Keep in closed or covered containers when not in use. Store in cool dry place with adequate ventilation. Do not store near heat or open flames.

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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**VENTILATION:** Use and store only with adequate ventilation or use respiratory protection.

**RESPIRATORY:** If dust is present, use a NIOSH/MSHA approved dust respirator.

**EYE PROTECTION:** If potential for spilling is present, dust resistant goggles or a full face shield should be worn.

**SKIN PROTECTION:** If potential for skin contact is present, impervious protection clothing should be worn.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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**VAPOR DENSITY:** N/A

**SOLUBILITY IN WATER:** Soluble

**APPEARANCE:** White crystal

**FREEZING POINT:** 410°F (210°C)

**SPECIFIC GRAVITY:** 1.4

**ODOR:** Slight

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## SECTION 10 - STABILITY AND REACTIVITY

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**STABILITY:** Stable when dry. Will decompose in water above 176°F (80°C)

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** NO<sub>x</sub>, Will produce ammonia if decomposing in contact with water

**CONDITIONS TO AVOID:** Open flame, high heat

**INCOMPATIBILITY**

**(Materials to Avoid):** Oxidizing materials



SECTION 11 - TOXICOLOGICAL INFORMATION

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LD50 ORAL: >10,000 mg/kg (rat)

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SECTION 12 - ECOLOGICAL INFORMATION

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No information available.

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SECTION 13 - DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Remove contaminated materials for disposal at  
a  
permitted facility using registered  
transporters. Not  
considered a hazardous waste.

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SECTION 14 - TRANSPORTATION INFORMATION

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DEPARTMENT OF TRANSPORTATION

49CFR172.101-102 CLASSIFICATION: Not Hazardous

DOT SHIPPING NAME: Not Regulated  
(Dicyandiamide)

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SECTION 15 - REGULATORY INFORMATION

LISTED INVENTORIES: TCSA on 40CFR710 Section 8b Chemical Substances  
Inventory  
Canadian Domestic Substances List  
EINECS Number: 207-312-8  
Philippines PICCS Listed  
China SEPA Listed  
Japan MITI Listed  
Korea ECL Listed



## Jiafeng Chemicals USA Co., Ltd.

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Australia AICS Listed

SARA/TITLE III:

Section 311/312: None

Section 313 Listed None

Chemicals:

CERCLA: Not subject to any special reporting  
requirements

WHMIS: None

### SECTION 16 - OTHER INFORMATION

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The information contained above is given in good faith based on the best data available at this time. No warranty, expressed or implied is made. ~~User assumes full responsibility for determining appropriate use and~~ application of the product.