



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B910-911 Xincheng Business Center,

Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnichem.com

Material Safety Data Sheet

Adipic dihydrazide

Section 1: Chemical Product and Company Identification

Molecular formula: C₆H₁₄N₄O₂

CAS Nr: 1071-93-8

EINECS: 213-999-5

Contact Information for Emergency: (0086) 551 65418678

Hefei TNJ Chemical Industry Co.,Ltd.

B910-911 Xincheng Business Center

Qianshan Road, Hefei

230004Anhui

China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	%By Weight
Adipic dihydrazide	1071-93-8	100

Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data.)

EYE: May cause eye irritation. Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Prolonged or repeated exposure may cause skin irritation or reaction.

INGESTION: Seek Medical Attention.

INHALATION: Vapors are unlikely due to physical properties.

CANCER INFORMATION: No relevant information found. However Not Classified as a Carcinogen.

TERATOLOGY (BIRTH DEFECTS): No relevant information found.

REPRODUCTIVE EFFECTS: No relevant information found.

Section 4: First Aid Measures

EYE: Flush eyes with plenty of water; Seek medical attention.

SKIN: Wash off in flowing water or shower Seek Medical Attention if Irritation occurs.

INGESTION: Seek immediate medical attention.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

Section 5: Fire and Explosion Data

FLAMMABLE PROPERTIES FLASH POINT: Not applicable to solid.

METHOD USED: Not applicable.

AUTOIGNITION TEMPERATURES: Not applicable.

FLAMMABLE LIMITS LFL: Not applicable to solids.

UFL: Not applicable to solids.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to phenolics, carbon monoxide, carbon dioxide.

OTHER FLAMMABILITY INFORMATION: Dense smoke is emitted when burned without sufficient oxygen.

Mechanical handling can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.

EXTINGUISHING MEDIA: Foam, water, carbon dioxide, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. If material is molten, do not apply direct water stream. Use fine water spray or foam. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical extinguishers may be used for small fires.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance

Section 6: Accidental Release Measures

PROTECT PEOPLE: Clear non-emergency personnel from area. Isolate area. Avoid contact with eyes. Avoid contact with skin and clothing.

PROTECT THE ENVIRONMENT: Keep out of irrigation ditches, sewers and water supplies.

Section 7: Handling and Storage

HANDLING: Good housekeeping and controlling of dusts are necessary for safe handling of product.

STORAGE: Store in a dry place. For storage information, refer to this product's Sales Specification sheet.

Section 8: Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT EYE/FACE PROTECTION: Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

RESPIRATORY PROTECTION: In dusty atmospheres, use an approved dust respirator.

EXPOSURE GUIDELINE(S): None established

Section 9: Physical and Chemical Properties

APPEARANCE: white powder or flake

ODOR: Odorless

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

BOILING POINT: Not applicable

FLASH POINT: >150C (302F)

SOLUBILITY IN WATER: 40%

SPECIFIC GRAVITY: Not Determined

MELT POINT: 180-182C

Section 10: Stability and Reactivity Data

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Product can decompose at elevated temperatures.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with oxidizing materials. Avoid contact with acids, bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide Carbon Dioxide Nitrogen Oxides.

HAZARDOUS POLYMERIZATION: Will not occur by itself.

Section 11: Toxicological Information

Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

SKIN: Irritant to Skin and Mucous Membranes.

INGESTION: No Information.

MUTAGENICITY: No Relvent Information Found

Section 12: Ecological Information

Do Not Allow Undiluted product or large amounts of to reach ground water, water course or sewage system. Do not allow material to be released into thee environment without proper permits

Section 13: Disposal Considerations

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

A&C CATALYSTS, INC. HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device.

Section 14: Transport Information

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: This product is not regulated by TDG when shipped domestically by land.
Maritime Transport IMDG Class: None Air Transport ICAO-IT and IATA-DGR Class: None

Section 15: Other Regulatory Information

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and reg

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 12:10 AM

Last Updated: 05/21/2013 12:00 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the

information for their particular purposes. In no event shall we m be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.