WUHAN FORTUNA CHEMICAL CO., LTD
Telephone：008627 85767163 Fax：0086 27 51505022

Material Saftety Data Sheet

Diphenylacetonitrile 99+%

Name: **Diphenylacetonitrile 99+%**

Synonym: **Benzyhydrylcyanide; alpha-Phenylbenzylcyanide**

CAS: **86-29-3**

Section 1 - Chemical Product and **Company Identification**

MSDS Name:Diphenylacetonitrile 99+%

Synonym:Benzyhydrylcyanide; alpha-Phenylbenzylcyanide

Supplier: Wuhan Fortuna Chemical Co., Ltd

No.314 Xinhua road, Wuhan, China, 430022

Tel: 0086-27-85767163

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
86-29-3	Diphenylacetonitrile	99.0+%	201-662-5

Hazard Symbols: XN

Risk Phrases: 22

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed.

Potential Health Effects

Eye:

Dust may cause mechanical irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

Chronic:

No information found.

Section 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Antidote: None reported.

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material,

then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Use with adequate ventilation.

Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 86-29-3: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHAs eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder

Color: white

Odor: None reported.

pH: Not available.

Vapor Pressure: 21.3 mbar

Viscosity: Not available.

Boiling Point: 181 deg C

Freezing/Melting Point: 73 - 76 deg C

Autoignition Temperature: Not available.

Flash Point: 120 deg C (248.00 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: slightly soluble

Specific Gravity/Density:

Molecular Formula: C14H11N

Molecular Weight: 193.25

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, dust generation.

Incompatibilities with Other Materials:

Oxidizing agents.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 86-29-3: AL9800000 LD50/LC50:

CAS# 86-29-3: Oral, rat: LD50 = 3500 mg/kg.

Carcinogenicity:

Diphenylacetonitrile - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Other No information available.

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

S 20 When using do not eat or drink.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 37/39 Wear suitable gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek

medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 86-29-3: 2

Canada

CAS# 86-29-3 is listed on Canadas NDSL List.

CAS# 86-29-3 is not listed on Canadas Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 86-29-3 is listed on the TSCA inventory.

Section 16 – OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2006 10:49 AM

Last Updated: 11/01/2010 12:00 PM

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