

MSDS for 4-Ethoxy-2-nitroaniline, 97%

**** MATERIAL SAFETY DATA SHEET ****

4-Ethoxy-2-nitroaniline, 97%

Section 1 - Chemical Product and Company Identification

MSDS Name 4-Ethoxy-2-nitroaniline, 97%

Catalog Numbers 18410-0000, 18410-0250

Synonyms 2-Nitro-p-phenetidine

Company Identification DAYANG CHEMICALS CO.LTD.

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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#	Haz Symbols	Risk Phrases
616-86-4	4-Ethoxy-2-nitroaniline	97%	210-497-8		

Hazard Symbols: XN

Risk Phrases: 20/21/22 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes, respiratory system and skin.

POTENTIAL HEALTH EFFECTS

Eye Causes eye irritation.

Skin Causes skin irritation. Harmful if absorbed through the skin.

Ingestion Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation Harmful if inhaled. Causes respiratory tract irritation.

Chronic Not available.

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.

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

Ingestion Get medical aid. Wash mouth out with water.

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

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.
Extinguishing Media	Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage	Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
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PERSONAL PROTECTIVE EQUIPMENT

Eyes	Wear chemical goggles.
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. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State	Powder
Color	red-orange
Odor	Not available.
pH	Not available.
Vapor Pressure	Not available.
Viscosity	Not available.
Boiling Point	Not available.
Freezing/Melting Point	111 - 113 deg C
Autoignition Temperature	Not available.
Flash Point	Not available.
Explosion Limits, lower	Not available.
Explosion Limits, upper	Not available.

Decomposition Temperature

Solubility in water

Specific Gravity/Density

Molecular Formula C8H10N2O3

Molecular Weight 182.18

Section 10 - Stability and Reactivity

Chemical Stability Not available.

Conditions to Avoid Incompatible materials.

Incompatibilities with Other Materials Strong oxidizing agents, acids, acid chlorides, acid anhydrides, chloroformates.

Hazardous Decomposition Products Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization Has not been reported

Section 11 - Toxicological Information

RTECS# CAS# 616-86-4 unlisted.

LD50/LC50 Not available.

Carcinogenicity 4-Ethoxy-2-nitroaniline - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not regulated.	Not regulated.	Not regulated.
Hazard Class:	-	-	-
UN Number:	-	-	-
Packing Group:	-	-	-

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves
and eye/face protection.

WGK (Water Danger/Protection)

CAS# 616-86-4: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 616-86-4 is listed on Canada's NDSL List.

CAS# 616-86-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 616-86-4 is listed on the TSCA inventory.

Section 16 - Additional Information

MSDS Creation Date 1/18/2002

Revision #1 Date 2/14/2002

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