

MSDS for 2-Phenylethyl isocyanate

*** MATERIAL SAFETY DATA SHEET ***

Section 1 - Chemical Product and Company Identification

MSDS Name 2-Phenylethyl isocyanate

Synonyms

Company Identification

Atul Ltd - PP Site
P.O. Atul 3960 20
Dist -Valsad
Gujarat, India

Telephone nos

0091 2632 233621 / 233474 /
230184

Section 2 - Composition, Information on Ingredients

CAS#

1943-82-4

Chemical Name

2-Phenylethyl isocyanate

Hazard Symbols: T+

Risk Phrases: 26 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Very toxic by inhalation. Irritating to eyes, respiratory system and skin. Moisture sensitive.

POTENTIAL HEALTH EFFECTS

Eye Lachrymator.

Skin Not available.

Ingestion Not available.

Inhalation Not available.

Chronic Not available.

Section 4 - First aid Measures

- Eyes** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
- Skin** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
- Inhalation** Remove from exposure to fresh air immediately.

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 Not available.

Section 6 - Accidental Release Measures

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

Spills/Leaks Absorb spill with inert material, (e.g., vermiculite, dry sand or earth), then place into a chemical waste container.

Section 7 - Handling and Storage

Handling Not available.

Storage Refrigerator (approx 20C) dry condition

Section 8 - Exposure Controls, Personal Protection

Engineering Controls Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

- Eyes** Wear safety glasses and chemical goggles if splashing is possible.
- Skin** Wear appropriate protective gloves and clothing to prevent skin

exposure.

Clothing Wear appropriate protective clothing to minimize contact with skin.

Respirators Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9 - Physical and Chemical Properties

Physical State	Clear liquid
Appearance	clear colorless to pale yellow
Odor	Bitter almond
pH	Not available.
Vapor Pressure	Not available.
Viscosity	Not available.
Boiling Point	105 deg C @ 2.00 mm Hg
Freezing/Melting Point	Not available.
Autoignition Temperature	Not available.
Flash Point	Not available.
Explosion Limits, lower	Not available.
Explosion Limits, upper	Not available.
Decomposition Temperature	150 deg C at 760 mmHg
Solubility	Decomposes in water violently
Specific Gravity/Density	1.0500g/cm ³
Molecular Formula	C ₉ H ₉ NO
Molecular Weight	147.00

Section 10 - Stability and Reactivity

Chemical Stability Stable under normal temperatures and pressures.

Conditions to Avoid High temperatures, incompatible materials, exposure to moist air or water.

Incompatibilities with Other Materials Strong oxidizing agents, acids, strong bases, water, alcohols, amines.

Hazardous Decomposition Products Hydrogen cyanide, nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen.

Hazardous Polymerization Has not been reported.

Section 11 – Toxicological Information

RTECS# CAS# 1943-82-4 unlisted.

LD50/LC50 Not available.

Carcinogenicity 2-Phenylethyl isocyanate 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:	ISOCYANATES, TOXIC, N.O.S.*	ISOCYANATES, TOXIC, N.O.S.	ISOCYANATES, TOXIC, N.O.S.
Hazard Class:	6.1	6.1	-
UN Number:	2206		
Packing Group:	II	II	-
Dangerous-Goods Code:		-	