

Paushak Limited

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : 2-Phenyl Ethyl isocyanate
CAS No. : 1943-82-4
Company : Paushak Limited
At: Panelav, PO:Tajpura, Taluka: Halol
Distirict: Panchmahals - 389350
Gujarat, INDIA.
Telephone : +91 2676 -664403 / 664412
Emergency Phone # : +91 9909985374

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Acute toxicity (Oral) (Category 4)
Acute toxicity (Inhalation) (Category 3)
Skin corrosion/irritation (Category 1A)
Respiratory sensitization (Category 1)
Skin sensitization (Category 1)
Long-term aquatic hazard (Category 2)
Danger!

Signal word:

Hazard Statement(s):

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H331: Toxic if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H411: Toxic to aquatic life with long lasting effects.

Pictogram(s) or Symbol(s):



Precautionary Statement(s):

P260: Do not breathe dusts or mists.
P264: Wash hands and face thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing must not be allowed out of the workplace
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing, face protection.
P284: Wear respiratory protection.
P301+P330+P331+P310: If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.
P303+P361+P353+P310+P363: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a poison center or doctor. Wash contaminated clothing before reuse.
P304+P340+P310: If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
P305+P351+P338+P310: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
P391: Collect spillage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up	
P501: Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 CFR Part 261, EU: 91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.)	
Hazards not otherwise classified:	No data available
3. COMPOSITION/INFORMATION ON INGREDIENTS	
Substance/Mixture:	Substance
Components:	Phenethyl Isocyanate
Percent:	>98.0%(GC)
CAS Number:	1943-82-4
Molecular Weight:	147.18
Chemical Formula:	C ₉ H ₉ NO
Synonyms:	2-Phenylethyl Isocyanate , (2-Isocyanatoethyl)benzene , Isocyanic Acid Phenethyl Ester , Isocyanic Acid 2- Phenylethyl Ester
CA Index:	No data available
4. FIRST AID MEASURES	
Inhalation:	May cause coughing, difficult breathing and nausea. Immediately call a poison center or doctor. Effects of exposure (inhalation) to substance may be delayed. Inhalation of vapors or contact with substance will result in contamination and potential harmful effects. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Skin contact:	For severe burns, immediate medical attention is required. Immediately call a poison center or doctor. Effects of exposure (skin contact) to substance may be delayed. Remove and wash contaminated clothing before re-use. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Eye contact:	If this chemical contact the eyes, immediately wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper eyelids. Contact with material may irritate or burn eyes. If eye irritation persists get medical advice/attention. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Ingestion:	Harmful if swallowed. Do not induce vomiting without medical advice. Effects of exposure (ingestion) to substance may be delayed. Call a physician or Poison Control Center immediately. Do not use mouth-to-mouth methods if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Symptoms/effects:	
Acute:	Pain. Redness.
Delayed:	May cause skin sensitization.

Immediate medical attention:	<p>WARNING: It might be dangerous to the person providing aid to give mouth-to-mouth respiration, because the inhaled material is toxic.</p> <p>WARNING: It might be hazardous to the person providing aid to give mouth-to-mouth respiration, because the inhaled material is corrosive.</p> <p>CAUTION: Victim may be a source of contamination. For severe burns, immediate medical attention is required. If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</p>
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Dry chemical, CO2 or water spray. Consult with local fire authorities before attempting large scale fire fighting operations.
Unsuitable extinguishing media:	Solid streams of water
Specific hazards arising from the chemical	
Hazardous combustion products:	These products include: Carbon oxides Nitrogen oxides
Other specific hazards:	Closed containers may explode from heat of a fire.
Special precautions for fire-fighters:	Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.
Special protective equipment for fire-fighters:	Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Personal protective equipment:	Wear eye protection (splash goggles) and face protection (full length face shield). Wear protective clothing (chemical resistant suit and chemical resistant boots). Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).
Emergency procedures:	In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.
Methods and materials for containment and cleaning up:	ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material. Dike far ahead of spill; use dry sand to contain the flow of material. Ventilate the area.
Environmental precautions:	Keep away from living quarters. Environmental hazard. Do not let product enter drains. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.
7. HANDLING AND STORAGE	
Precautions for safe handling:	Do Not breathe gas, fumes, vapor, or spray. Manipulate under an adequate fume hood. Do not ingest. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Store locked up. Keep containers tightly closed in ambient temperature, well-ventilated place. Keep away from incompatibles.

Storage incompatibilities:	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Moisture sensitive. Bases, Store away from oxidizing agents
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure limits:	No data available
Appropriate engineering controls:	Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.
Personal protective equipment	
Respiratory protection:	Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection:	Wear protective gloves.
Eye protection:	Splash goggles.
Skin and body protection:	Lab coat.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical state (20°C):	Liquid
Form:	Clear
Color:	Colorless - Very pale yellow
Odor:	No data available
Odor threshold:	No data available
Melting point/freezing point:	No data available
Boiling point/range:	210°C (410°F)
Decomposition temperature:	No data available
Relative density:	1.06
Kinematic Viscosity:	No data available
Partition coefficient: n-octanol/water (log Pow)	2.58
Flash point:	100°C (212°F)
Flammability (solid, gas):	No data available
pH:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Dynamic Viscosity:	No data available
Evaporation rate: (Butyl Acetate = 1)	No data available
Autoignition temperature:	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Solubility(ies):	
10. STABILITY AND REACTIVITY	
Reactivity:	Not Available.
Chemical Stability:	Heat sensitive. Moisture sensitive.
Possibility of Hazardous Reactions:	No hazardous reactivity has been reported.
Conditions to avoid:	Exposure to moisture. Heat sensitive. Moisture sensitive.
Incompatible materials:	Oxidizing agents
Hazardous Decomposition Products:	No data available

11. TOXICOLOGICAL INFORMATION

RTECS Number:

Acute Toxicity:

Skin corrosion/irritation:

Serious eye damage/irritation:

Respiratory or skin sensitization:

Germ cell mutagenicity:

Carcinogenicity:

IARC:

NTP:

OSHA:

Routes of Exposure:

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

No data available

Inhalation, Eye contact, Ingestion, Skin contact.

Symptoms related to exposure:

Overexposure may result in serious illness or death. Skin contact may produce burns. Skin contact may result in inflammation; characterized by itching, scaling, reddening, or occasionally blistering. Inhalation causes irritation of the lungs and respiratory system. Skin contact may result in sensitization. Readily absorbed through skin.

Potential Health Effects:

No specific information available; skin and eye contact may result in irritation. May be harmful if inhaled or ingested.

Target organ(s):

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Fish:

Crustacea:

Algae:

Persistence and degradability:

Bioaccumulative potential (BCF):

Mobility in soil:

Partition coefficient: n-octanol/water (log Pow)

Soil adsorption (Koc):

Henry's Law: constant (PaM3/mol)

No data available

No data available

No data available

No data available

No data available

No data available

No data available

2.58

No data available

No data available

13. DISPOSAL CONSIDERATIONS

Disposal of product:

Disposal of container:

Other considerations:

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

Dispose of as unused product. Do not re-use empty containers.

Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

DOT (US)

UN number

UN2206

Proper Shipping Name

Isocyanates, toxic, n.o.s.

Class or Division

6.1

Subrisk(s)

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Packing Group

III

IATA

UN number

Proper Shipping Name

Class or Division

Subrisk(s)

Packing Group

Product Name: 2-Phenyl Ethyl isocyanate

Material Safety Data Sheet

Revision Date: 16.01.2024

Revision No: 02

UN2206	Isocyanates, toxic, n.o.s.	6.1	--	III
IMDG				
UN number	Proper Shipping Name	Class or Division	Subrisk(s)	Packing Group
UN2206	Isocyanates, toxic, n.o.s.	6.1	--	III
EmS number:		F-A, S-A		
15. REGULATORY INFORMATION				
Toxic Substance Control Act (TSCA 8b.):				
This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:				
i. These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.				
ii. The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.				
US Federal Regulations				
CERCLA Hazardous substance and Reportable Quantity:				
SARA 313:		Not Listed		
SARA 302:		Not Listed		
State Regulations				
State Right-to-Know				
Massachusetts		Not Listed		
New Jersey		Listed		
Pennsylvania		Not Listed		
California		Not Listed		
Proposition 65:				
Other Information				
NFPA Rating:		HMIS Classification:		
Health:	3	Health:	3	
Flammability:	1	Flammability:	1	
Instability:	0	Physical:	0	
International Inventories				
WHMIS hazard class:		E: Corrosive material.		
		D1B: Materials causing immediate and serious toxic effects. (Toxic)		
		D2A: Materials causing other toxic effects. (Very Toxic)		
EC-No:		413-080-0		
16. OTHER INFORMATION				
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for technically qualified personnel. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Paushak Ltd. extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any third party use & shall not be held liable for any damage resulting from handling or from contact with the above product.				