



Material Safety Data Sheet
Acetanilide

SECTION 1.1 – PRODUCT IDENTIFICATION

Product name	:	Acetanilide
Molecular formula	:	C ₈ H ₉ N O
Molecular weight	:	135.17
CAS no.	:	103-84-4

SECTION: 1.2 – COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

Address: 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India **Telephone #:**+91-22-26849600 **Fax #:**+91-22-26849600

SECTION 2: HAZARD IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity	Category 4
Serious Eye Damage/Eye Irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Respiratory system	

Label Elements

Signal Word

Warning

Hazard Statements

Harmful if swallowed
Causes serious eye irritation
May cause respiratory irritation

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear eye/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None identified

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Weight %
Acetamide, N-phenyl-	103-84-4	99

SECTION 4: FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Obtain medical attention.

Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately.

Most important symptoms/effects: No information available.

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: No information available

Flash Point: 173 °C / 343.4 °F

Method - No information available

Autoignition Temperature: 545 °C / 1013 °F

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

Specific Hazards Arising from the Chemical:

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products: Carbon monoxide (CO) Carbon dioxide (CO₂) Nitrogen oxides (NO_x)

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Rating: Health: 2; Flammability: 1; Instability: 0; Physical Hazards: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing.

Environmental Precautions: Avoid release to the environment.

Methods for Containment and Clean Up: Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

SECTION 7: HANDLING AND STORAGE

Handling: Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment :

Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory Protection: 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.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	White
Odor	No information available
Odor Threshold	No information available
pH	5.0-7.0
Melting Point/Range	111 - 115 °C / 231.8 - 239 °F
Boiling point/Range	304 °C / 579.2 °F @ 760 mmHg
Flash Point	173 °C / 343.4 °F
Evaporation Rate	Negligible
Flammability (Solid, gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	13 hPa @ 114°C
Vapor Density	4.65 (Air = 1.0)
Relative Density	No information available
Solubility	Slightly soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	545 °C / 1013 °F
Decomposition Temperature	No information available
Viscosity	No information available
Molecular Formula	C8 H9 N O
Molecular Weight	135.17

SECTION 10: STABILITY AND REACTIVITY

Reactive Hazard: None known, based on information available

Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible products. Excess heat. Avoid dust formation

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide (CO), Carbon dioxide (CO₂) Nitrogen oxides (NO_x)

Hazardous Polymerization: Hazardous polymerization does not occur

Hazardous Reactions: None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information: No acute toxicity information is available for this product.

Component information

Toxicologically Synergistic Products: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation: Irritating to eyes and respiratory system

Sensitization: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
Acetamide, N-phenyl-	103-84-4	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Mutagenic Effects: No information available.

Reproductive Effects: No information available

Developmental Effects: No information available.

Teratogenicity: No information available

STOT - single exposure Respiratory system

STOT - repeated exposure None known

Aspiration hazard: No information available.

Symptoms / effects, both acute and delayed: No information available

Endocrine Disruptor Information: No information available

Other Adverse Effects: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Acetamide, N-phenyl-	Not Listed	Lepomis macrochirus: LC50 = 100mg/L/96h	EC50 = 282.4 mg/L 30 min	Not listed

Persistence and Degradability: No information available.

Bioaccumulation/ Accumulation: No information available

Mobility:

Component	log Pow
Acetamide, N-phenyl-	1.16

Section 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14: TRANSPORT INFORMATION

DOT: Not regulated
TDG: Not regulated
IATA: Not regulated
IMDG/IMO : Not regulated

15: OTHER REGULATORY INFORMATION

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Acetamide, N-phenyl-	X	X	-	203- 150-7	-		X	X	X	X	X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations:

TSCA 12(b): Not applicable

SARA313: Not applicable

SARA 311/312 Hazardous Categorization

Acute Health Hazard Yes

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

Clean Water Act: Not applicable

Clean Air Act: Not applicable

OSHA: Occupational Safety and Health Administration Not applicable

CERCLA

Not applicable

California Proposition 65: This product does not contain any Proposition 65 chemicals

State Right-to-Know:

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Acetamide, N-phenyl-	-	-	X	-	-

U.S. Department of Transportation:

Reportable Quantity (RQ): N

DOT Marine Pollutant: N

DOT Severe Marine Pollutant: N

U.S. Department of Homeland Security:

This product does not contain any DHS chemicals

Other International Regulations:

Mexico – Grade: Slight risk, Grade 1

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class: D1B Toxic materials

D2B Toxic materials

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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