



Material Safety Data Sheet
Acetamide

SECTION 1.1 – PRODUCT IDENTIFICATION

Product name : **Acetamide**
Molecular formula : **C₂H₅NO**
Molecular weight : **59.06**
CAS no. : **60-35-5**

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

EMERGENCY OVERVIEW

Warning! Hygroscopic (absorbs moisture from the air). Possible cancer hazard. May cause cancer based on animal data.

Target Organs: Kidneys, liver.

Potential Health Effects

Eye: May cause eye irritation.

Skin: Causes mild skin irritation. May be harmful if absorbed through the skin.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Chronic: May cause kidney injury. May cause cancer according to animal studies. Limited evidence of a carcinogenic effect.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Acetamide	60-35-5	>99

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. Get medical aid.

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

Ingestion: Do not induce vomiting. Get medical aid.

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: Water or foam may cause frothing. Use dry chemical or carbon dioxide.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 2; flammability: 1; instability: 1;

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. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

SECTION 7: HANDLING AND STORAGE

Handling: Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a cool, dry place. Store in a tightly closed container.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Acetamide	None Listed	None Listed	None Listed

OSHA Vacated PELs: Acetamide: None listed

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.

Exposure Limits

Personal Protective Equipment

Eyes: 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: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

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	Crystals
Appearance	White
Odor	Characteristic odor
pH	Not Available
Vapor pressure	1.33 hPa @ 65 deg C
Vapor Density	~2
Evaporation Rate	Negligible
Viscosity	Not Available
Boiling point	221 deg C (429.80deg F)
Freezing/Melting Point	79 - 81 deg C
Decomposition Temperature	Not Available
Solubility in water	2000 g/L (20 deg C)
Specific Gravity/Density	1.16
Molecular Formula	C ₂ H ₅ NO
Molecular Weight	59.06

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Hygroscopic: absorbs moisture or water from the air.

Conditions to Avoid: Incompatible materials, dust generation, excess heat, exposure to moist air or water.

Incompatibilities with Other Materials: Metals, strong oxidizing agents, strong reducing agents, strong acids, strong bases, halogenated agents.

Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, carbon dioxide, ammonia.

Hazardous Polymerization: Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

RTECS#: CAS# 60-35-5: AB4025000

RTECS

LD50 LC50: CAS# 60-35-5: Oral, mouse: LD50 = 12900 mg/kg;

Oral, rat: LD50 = 7 gm/kg;

Carcinogenicity: Acetamide - California: carcinogen, initial date 1/1/90 IARC: Group 2B carcinogen

Other: See actual entry in RTECS for complete information

Section 12: ECOLOGICAL INFORMATION

Other: Do not empty into drains.

Section 13: DISPOSAL CONSIDERATION

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

SECTION 14: TRANSPORT INFORMATION

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

USA RQ: CAS# 60-35-5: 100 lb final RQ; 45.4 kg final RQ

15: OTHER REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 40 Limited evidence of a carcinogenic effect.

Safety Phrases:

S 36/37 Wear suitable protective clothing and gloves.

WGK (Water Danger/Protection)

CAS# 60-35-5: 1

Canada

CAS# 60-35-5 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2A

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

CAS# 60-35-5 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 60-35-5 is listed on the TSCA

Inventory.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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