

Mallinckrodt

Material Safety Data

Emergency Phone Number: 314-539-1600

Mallinckrodt provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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Performance and Laboratory Chemical Div., P.O. Box 800, Paris, KY 40362.

ACETAMIDE

PRODUCT IDENTIFICATION:

Synonyms: Acetic acid amide; ethanamide

Formula CAS No.: 60-35-5

Molecular Weight: 59.08

Chemical Formula: CH₃CONH₂

Hazardous Ingredients: Acetamide

PRECAUTIONARY MEASURES

WARNING! EXPOSURE MAY CREATE CANCER RISK. CAUSES EYE IRRITATION. MAY FORM EXPLOSIVE DUST-AIR MIXTURES!

Avoid contact with eyes, skin and clothing. Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

Avoid dust cloud in presence of an ignition source.

EMERGENCY/FIRST AID

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. SEE SECTION 5.

DOT Hazard Class: Not Regulated

SECTION 1 Physical Data

Appearance: Transparent, colorless crystals.

Odor: Mousy odor.

Solubility: 1 g/500 mg water; decomposes in hot water.

Boiling Point: 221°C (430°F)

Melting Point: 82°C (180°F)

Specific Gravity: 1.16

Vapor Density (Air= 1): No information found.

Vapor Pressure (mm Hg): 1 @ 65°C (149°F).

Evaporation Rate: No information found.

SECTION 2 Fire and Explosion Information

Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Minimum ignition temperature: 560°C (1040°F) (dust cloud).

Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:

Wear full protective clothing and breathing equipment for high-intensity fire or potential explosion conditions.

SECTION 3 Reactivity Data

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Oxides of nitrogen.

Hazardous Polymerization:

This substance does not polymerize.

Incompatibilities:

Strong oxidizers.

SECTION 4 Leak/Spill Disposal Information

Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from dust. Sweep up and place in a bag and hold for waste disposal. Avoid raising dust. Dissolve or mix the material with a combustible solvent and burn in a RCRA approved chemical incinerator equipped with an afterburner and scrubber or send to approved disposal facility.

Reportable Quantity (RQ)(CWA/CERCLA) : 1 lb.

Ensure compliance with local, state and federal regulations.

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SECTION 5 Health Hazard Information

A. EXPOSURE / HEALTH EFFECTS

Inhalation:

May cause irritation to the respiratory tract.

Ingestion:

Extremely large oral doses may produce gastro-intestinal disturbances.

Skin Contact:

Causes mild irritation.

Eye Contact:

Causes severe irritation and corneal damage.

Chronic Exposure:

Repeated ingestion may cause liver tumors. See toxicity data.

Aggravation of Pre-existing Conditions:

No information found.

B. FIRST AID

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Exposure:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Exposure:

Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

C. TOXICITY DATA (RTECS, 1992)

Oral rat LD50: 7000 mg/kg; investigated as a tumorigen, mutagen, reproductive effector. Cancer status: IARC Category 2B.

SECTION 6 Occupational Control Measures

Airborne Exposure Limits:

None established.

Ventilation System:

A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Personal Respirators: (NIOSH Approved)

A supplied air, full facepiece respirator, air-lined hood, or self-contained breathing apparatus is recommended.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 7 Storage and Special Information

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage. Isolate from oxidizing materials. Wear special protective equipment (Sec. 6) for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Shower, dispose of outer clothing, change to clean garments at the end of the day. Avoid cross-contamination of street clothes. Wash hands before eating and do not eat, drink, or smoke in workplace.

ACETA

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Addendum to Material Safety Data Sheet

REGULATORY STATUS

This Addendum Must Not Be

Detached from the MSDS

Identifies SARA 313 substance(s)

Any copying or redistribution of the MSDS

must include a copy of this addendum

(Chem.Key: ACETA)

| Hazard Categories for SARA Section 311/312 Reporting | | | | |
|---|---------|------|----------|----------|
| Acute | Chronic | Fire | Pressure | Reactive |
| ----- | ----- | ---- | ----- | ----- |
| X | X | X | | |

Product or Components
of Product:

ACETAMIDE (60-35-5)

| SARA EHS Sect. 302 RQ (lbs.) | TPQ (lbs.) | SARA Section 313 Chemicals Name List | Chemical Category | CERCLA Sec.103 RQ (lbs.) | RCRA Sec. 261.33 |
|---------------------------------|------------|---|-------------------|-----------------------------|---------------------|
| ----- | ----- | ----- | ----- | ----- | ----- |
| No | No | Yes | No | 1 | No |

SARA Section 302 EHS RQ: Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ: Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals: Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103: Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA: Resource Conservation and Recovery Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33