

Common Name: **ACETAMIDE**

Synonyms: Acetic Acid Amide; Acetimidic Acid

CAS No: 60-35-5

Molecular Formula: C₅H₅NO

RTK Substance No: 2890

Description: Colorless, crystalline (sand-like) material

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health 1 - Fire 0 - Reactivity DOT#: UN 3077 ERG Guide #: 171 Hazard Class: 9 (Miscellaneous)	Use dry chemical, CO ₂ , water spray or foam as extinguishing agent. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Nitrogen Oxides</i> . Use water spray to keep fire-exposed containers cool.	Acetamide reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); and REDUCING AGENTS.

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Collect powdered material in the most convenient and safe manner and deposit in sealed containers.

Potential for bioconcentration in aquatic organisms is low.

PHYSICAL PROPERTIES

Odor Threshold:	140 to 160 mg/m ³
Flash Point:	Combustible
Specific Gravity:	1.16 (water = 1)
Vapor Pressure:	10 mm Hg at 221°F (105°C)
Water Solubility:	Soluble
Boiling Point:	430°F (222°C)
Melting Point:	176°F (81°C)
Ionization Potential:	9.65 eV
Molecular Weight:	59.1

EXPOSURE LIMITS

No occupational exposure limits have been established for **Acetamide**.

The Protective Action Criteria values are:

PAC-1 = 21 mg/m³; PAC-2 = 230 mg/m³;

PAC-3 = 1,400 mg/m³

PROTECTIVE EQUIPMENT

Gloves:	Rubber
Coveralls:	DuPont Tyvek®, Tychem® Polycoat, QC, CPF 1, SL, CPF 2 or equivalent
Boots:	No information
Respirator:	Supplied air

HEALTH EFFECTS

Eyes:	No information
Skin:	No information
Inhalation:	Nose and throat irritation
Chronic:	Carcinogen - (Liver) in animals

FIRST AID AND DECONTAMINATION

Remove the person from exposure.
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
Remove contaminated clothing and wash contaminated skin with water.
Transfer to a medical facility.