

Chemical Name: **2-ACETYLAMINOFLUORENE**

Synonyms: AAF; 2-Fluorenylacetamide

CAS No: 53-96-3

Molecular Formula: C₁₅H₁₃NO

RTK Substance No: 0010

Description: Tan powder or crystalline solid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health 0 - Fire 0 - Reactivity DOT#: N/A ERG Guide #: N/A Hazard Class: N/A	- 2-Acetylaminofluorene is considered a combustible solid, but does not readily ignite. - Use dry chemical, CO ₂ , water spray or alcohol-resistant foam. - POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Nitrogen Oxides</i> . - Use water spray to keep fire-exposed containers cool.	- 2-Acetylaminofluorene is not compatible with CYANIDES; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); ACID ANHYDRIDES; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); and STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE).

SPILLS/LEAKS

Isolation Distance: 25 meter (75 feet)

- Dampen solid spills with water before collection.
- Collect spilled material using a wet method or a vacuum with a HEPA filter.

PHYSICAL PROPERTIES

Flash Point: 531 °F (277 °C)
Boiling Point: 577 °F (303 °C)
LEL: No Information
UEL: No Information
Vapor Density: No Information
Vapor Pressure: 0.0000287 mm Hg at 25 °F (estimated)
Water Solubility: Insoluble
Melting Point: 381 °F (194 °C)
Ionization Potential: No Information

EXPOSURE LIMITS

OSHA: Refer to 29 CFR 1910.1014
NIOSH: Recommends that exposure to occupational carcinogens be limited to the lowest feasible concentration.
ACGIH: N/A
IDLH LEVEL: N/A
PAC LEVELS: PAC-1 = 1.2 mg/m³; PAC-2 = 14 mg/m³; PAC-3 = 480 mg/m³

PROTECTIVE EQUIPMENT

Gloves: Chemical-resistant gloves (e.g. Nitrile)
Coverall: Protective clothing to prevent skin contact
Boot: Protective boots to prevent skin contact
Respirator: Supplied Air

HEALTH EFFECTS

Eyes: Irritation
Inhalation: Nose, throat and lung irritation.
Skin: May cause skin irritation.
Chronic: Carcinogen (bladder, kidney and 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, while rinsing.
Remove contaminated clothing. Wash contaminated skin with soap and water.
Begin respirator support if breathing becomes difficult.