

Common Name: **2-AMINOANTHRAQUINONE**

Synonyms: AAQ; beta-Aminoanthraquinone

CAS No: 117-79-3

 Molecular Formula: C<sub>14</sub>H<sub>9</sub>NO<sub>2</sub>

RTK Substance No: 0069

Description: Red, needle-shaped crystal or a dark brown powder

**HAZARD DATA**

Hazard Rating	Firefighting	Reactivity
<b>3 - Health</b> <b>1 - Fire</b> <b>0 - Reactivity</b> DOT#: None ERG Guide #: None Hazard Class: None	May be combustible. Use dry chemical, CO <sub>2</sub> , water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Nitrogen Oxides</i> .	<b>2-Aminoanthraquinone</b> is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

**SPILL/LEAKS**
**Isolation Distance:**

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

**PHYSICAL PROPERTIES**
**Vapor Pressure:** 5 x 10<sup>-11</sup> mm Hg at 77°F (25°C)

**Water Solubility:** Insoluble

**Boiling Point:** Sublimes

**Melting Point:** 558° to 583°F (292° to 306°C)

**Molecular Weight:** 223.23

**EXPOSURE LIMITS**

 No occupational exposure limits have been established for **2-Aminoanthraquinone**.

The Protective Action Criteria values are:

 PAC-1 = 25 mg/m<sup>3</sup>

 PAC-2 = 150 mg/m<sup>3</sup>

 PAC-3 = 500 mg/m<sup>3</sup>
**PROTECTIVE EQUIPMENT**
**Gloves:** Nitrile and Natural Rubber

**Coveralls:** Tyvek®

**Respirator:** Full facepiece APR with *Organic vapor and Acid gas* cartridges with *P100 prefilters*  
 >25 mg/m<sup>3</sup> - SCBA

**HEALTH EFFECTS**
**Eyes:** Irritation

**Skin:** Irritation

**Inhalation:** No information

**Chronic:** Cancer (liver, lymph) 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.

**Quickly** remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

**Begin** artificial respiration if breathing has stopped and CPR if necessary.

**Transfer** promptly to a medical facility.