# FLINN SCIENTIFIC, INC. Safety Data Sheet (SDS)

**SDS #:** 19.00

Revision Date: July 1, 2015

#### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## **Adipic Acid**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word

WARNING

Pictograms

#### **SECTION 2 — HAZARDS IDENTIFICATION**

Hazard class: Eye irritation (Category 2A). Causes serious eye irritation (H319).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Adipic acid	124-04-9	HO <sub>2</sub> C(CH <sub>2</sub> ) <sub>4</sub> CO <sub>2</sub> H	146.15	
Synonyms: Acifloctin; Adilactetten; 1,6-Hexanedioc acid				

#### **SECTION 4 — FIRST AID MEASURES**

Immediately call a POISON CENTER or physician (P310).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If on skin (or hair): Immediately remove all contaminated clothing. Rinse skin with water.

If swallowed: Rinse mouth. Do NOT induce vomiting.

#### **SECTION 5 — FIRE FIGHTING MEASURES**

Class IIIB combustible solid.

Flash point: 196 °C Flammable limits: Lower: 0.1% Autoignition Temperature: 420 °C

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

R-0

#### **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

Do not allow solid to become airborne. Ventilate area. Wipe up the spill with a damp towel. Place in a sealed bag or container, and dispose. and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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## SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.

Store in a dedicated acid cabinet and away from any source of water. If an acid cabinet is not available, store in Flinn Saf-Cube TM.

#### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling. Use ventilation to keep airborne concentrations below exposure limits. Exposure guidelines: TLV: 5 mg/m<sup>3</sup> (ACGIH)

#### **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White, crystalline powder. Odorless.

Soluble: Acetone and alcohol. Slightly in water.

Vapor pressure: 0.0728 at 18.5 °C

Specific gravity: 1.37

Vapor density: 5.04 Flash point 196 °C (closed cup) Auto ignition temperature: 420 °C

#### **SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong oxidizers.

Shelf life: Fair to poor. See Section 7 for further information.

#### **SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritation eyes, respiratory system; cough, sore throat, asthma; contact dermatitis.

Chronic effects: N.A.

ORL-RAT  $LD_{50}$ : 11 g/kg

IHL-RAT  $LC_{50}$ : N.A.

SKN-RBT  $LD_{50}$ : N.A.

Target organs: Eyes, nose, throat.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

### **SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

#### **SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #24a is one option.

#### **SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A

N/A = Not applicable

#### **SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (204-673-3).

#### **SECTION 16 — OTHER INFORMATION**

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Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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