



SDS #: 15

Revision Date: July 24, 2015

## Acetylsalicylic Acid Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Acetylsalicylic Acid

Signal Word  
**WARNING**

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

Chemtrec Emergency Phone Number: (800) 424-9349

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).



Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Acetylsalicylic acid	50-78-2	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	180.16	
Synonyms: Aspirin				

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312). **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **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 eye irritation persists eyes:** Get medical advice or attention (P337+P313). **If on skin:** Wash with plenty of water (P302+P352). Take off contaminated clothing and wash before reuse (P362). **If swallowed:** Rinse mouth (P330). Immediately call a POISON CENTER or physician (P301+P310).

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, but combustible solid.  
When heated to decomposition, may emit toxic fumes.  
In case of fire: Use a tri-class dry chemical fire extinguisher.

**NFPA Code**  
None established

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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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**

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Flinn Suggested Chemical Storage Pattern: Organic #1. Store with acids, anhydrides and peracids.  
Store in a locked poison cabinet. Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

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

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Use only in a hood or well-ventilated area (P271).  
Exposure guidelines: TLV: 5 mg/m<sup>3</sup> (ACGIH)

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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White powder. Odorless when fresh. As it ages, it becomes vinegar-like.	Boiling point: 140 °C (decomposes)
Soluble: Water and many organic solvents.	Melting point: 135 °C
	Specific gravity: 1.35
	Vapor pressure: 0.004 at 25 °C
	Vapor density: 1.4

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizers, strong acids, and strong bases. Solutions of alkali hydroxides or carbonates, strong oxidizers, moisture (Note: Slowly hydrolyzes in moist air to salicylic and acetic acids.)  
Shelf life: Poor, unless kept dry. See Section 7 for further information.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Irritation eyes, skin, respiratory system; increased blood clotting time; nausea, vomiting; liver, kidney injury.	ORL-RAT LD <sub>50</sub> : 1,500 mg/kg
Chronic effects: Possible teratogen.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: Eyes, skin, respiratory system, blood, liver, kidneys.	SKN-RBT LD <sub>50</sub> : N.A.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #26a is one option. Mix with coffee grounds or kitty litter before disposal.

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**SECTION 14 — TRANSPORT INFORMATION**

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

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-064-1).

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**SECTION 16 — OTHER INFORMATION**

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

N/A = Not applicable

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

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