Acetylsalicylic Acid



Section 1 Product Description

Product Name: Acetylsalicylic Acid

Recommended Use: Science education applications
Synonyms: 2-Acetoxybenzoic Acid, Aspirin
Carolina Biological Supply Company
2700 York Road, Burlington, NC 27215

1-800-227-1150

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)

Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;





Harmful if swallowed. May cause respiratory irritation. May cause drowsiness or dizziness.

GHS Classification:

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3, Acute Toxicity - Oral Category 4

Section 3 Composition / Information on Ingredients

 Chemical Name
 CAS #
 %

 Acetylsalicylic Acid
 50-78-2
 100

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Section 5 Firefighting Procedures

Extinguishing Media: Use dry chemical, CO2 or appropriate foam.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained

breathing apparatus.

Fire and/or Explosion Hazards: None Known

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Section 6 Spill or Leak Procedures

Steps to Take in Case Material Is

Released or Spilled:

No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS. Ventilate the

contaminated area.

No special spill clean-up considerations. Collect and discard in regular trash.

Handling and Storage Section 7

Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do no eat, drink or smoke

> when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/vapor. Do not get in eyes, on skin, or on clothing. Retained residue may make empty containers hazardous; use caution. Avoid

creating and inhaling dust.

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep container tightly closed in a Storage:

cool, well-ventilated place.

Blue - Toxic. Store separately in a secured area. Storage Code:

Section 8 Protection Information

ACGIH OSHA PEL

(STEL) **Chemical Name** (TWA) (STEL) (TWA) Acetylsalicylic Acid 5 mg/m3 TWA N/A N/A N/A

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. General room ventilation

might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE): Lab coat, apron, eye wash, safety shower.

Respiratory Protection: No respiratory protection required under normal conditions of use. **Eve Protection:** No data. Wear safety glasses with side shields and a Face shield

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective

equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

work.

Gloves: Nitrile

Physical Data Section 9

Formula: 2-CH3COOC6H4COOH Molecular Weight: 180.17 Appearance: Crystalline Solid Odor: No data available

Odor Threshold: No data available pH: 3.5 at 2.5 g/l at 20 °C (68 °F) Melting Point: No data available Boiling Point: No data available

Flash Point: 250 C

Flammable Limits in Air: N/A

Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): N/A Specific Gravity: 1.35 Solubility in Water: Soluble

Log Pow (calculated): log Pow: 1.19 Autoignition Temperature: 490 C

Decomposition Temperature: No data available

Viscosity: No data available Percent Volatile by Volume: N/A

Section 10 Reactivity Data

Reactivity: No data available

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: None known. Keep away from oxidizing materials and strong acids.

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry Inhalation and ingestion.

Symptoms (Acute):

Delayed Effects: No data available

Acute Toxicity:

CAS Number Chemical Name Oral LD50 **Dermal LD50** Inhalation LC50

50-78-2 Oral LD50 Rabbit Not determined Not determined Acetylsalicylic Acid

> 1010 mg/kg Oral LD50 Dog 700 mg/kg

Carcinogenicity:

Chemical Name IARC NTP OSHA CAS Number 50-78-2 Not listed No data available Not listed Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).

Sensitization: No evidence of a sensitization effect.

No evidence of negative reproductive effects. Reproductive:

Target Organ Effects:

Acute: See Section 2

Chronic: Not listed as a carcinogen by IARC, NTP or OSHA.

Section 12 Ecological Data

Overview: This material is not expected to be harmful to the ecology.

Mobility: No data Persistence: No data No data Bioaccumulation: Degradability: No data Other Adverse Effects: No data

Chemical Name CAS Number Eco Toxicity

Acetylsalicylic Acid 50-78-2 48 HR EC50 DAPHNIA MAGNA > 100 MG/L

Section 13 Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always

contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

Section 14 Transport Information

Ground - DOT Proper Shipping Name: Air - IATA Proper Shipping Name:

UN2811, Toxic solids, organic, N.O.S. (acetylsalicylic acid), 6.1, III UN2811, Toxic solids, organic, N.O.S. (acetylsalicylic acid), 6.1,

Section 15 Regulatory Information

TSCA Status: All components in this product are on the TSCA Inventory.

Chemical Name CAS § 313 Name **CERCLA RQ CAA 112(2)** § 304 RQ § 302 TPQ

Number

50-78-2 No data available No No No No No

California Prop 65: WARNING: This product contains a chemical known to the state of California

to cause cancer, birth defects or other reproductive harm.

Section 16 Additional Information

Revised: 09/09/2015 Replaces: 10/03/2014 Printed: 10-29-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP OSHA	National Toxicology Program Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health