

Safety Data Sheet

Acetylsalicylic Acid

CAROLINA[®]
www.carolina.com

Section 1 Product Description

Product Name: Acetylsalicylic Acid
Recommended Use: Science education applications
Synonyms: 2-Acetoxybenzoic Acid, Aspirin
Distributor: 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;

WARNING



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

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
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.

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Section 7

Handling and Storage

Handling:	Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not 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.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep container tightly closed in a cool, well-ventilated place.
Storage Code:	Blue - Toxic. Store separately in a secured area.

Section 8

Protection Information

<u>Chemical Name</u>	<u>ACGIH</u>	<u>OSHA PEL</u>
Acetylsalicylic Acid	(TWA) 5 mg/m3 TWA (STEL) N/A	(TWA) N/A (STEL) 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.

Eye 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

Section 9

Physical Data

Formula: 2-CH ₃ COOC ₆ H ₄ COOH	Vapor Pressure: N/A
Molecular Weight: 180.17	Evaporation Rate (BuAc=1): N/A
Appearance: Crystalline Solid	Vapor Density (Air=1): N/A
Odor: No data available	Specific Gravity: 1.35
Odor Threshold: No data available	Solubility in Water: Soluble
pH: 3.5 at 2.5 g/l at 20 °C (68 °F)	Log Pow (calculated): log Pow: 1.19
Melting Point: No data available	Autoignition Temperature: 490 C
Boiling Point: No data available	Decomposition Temperature: No data available
Flash Point: 250 C	Viscosity: No data available
Flammable Limits in Air: N/A	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):	N/A
Delayed Effects:	No data available

Acute Toxicity:
Chemical Name

CAS Number

Oral LD50

Dermal LD50

Inhalation LC50

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

Not determined

Not determined

Carcinogenicity:

Chemical Name

No data available

CAS Number

50-78-2

IARC

Not listed

NTP

Not listed

OSHA

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.

Reproductive:

No evidence of negative reproductive effects.

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

Bioaccumulation:

No data

Degradability:

No data

Other Adverse Effects:

No data

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CAS Number

50-78-2

Eco Toxicity

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:

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

Air - IATA Proper Shipping Name:

Not regulated for air transport by IATA.

Section 15

Regulatory Information

TSCA Status:

All components in this product are on the TSCA Inventory.

Chemical Name

CAS
Number

§ 313 Name

§ 304 RQ

CERCLA RQ

§ 302 TPQ

CAA 112(2)
TQ

No data available

50-78-2

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: 09/03/2014

Replaces: 09/03/2014

Printed: 09-11-2014

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

Safety Data Sheet

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