

Material Safety Data Sheet

EFFERVESCENT TABLETS

1. PRODUCT DESCRIPTION

Product Name: Original Alka-Seltzer Antacid and Pain Reliever

Common Synonym: N/A

CAS Number: N/A

Formula: N/A

Chemical Family: Effervescent mixture of antacid and pain reliever

Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

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

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal Hazardous Component: This pharmaceutical product, available without a prescription, is for human use. These materials are not subject to the Federal OSHA Hazard Communication Standard 29 CFR 1910-1200. This Material Safety Data Sheet is not intended for industrial exposure.

Other Components: Citric Acid (CAS #77-92-9) 30-40%, Sodium Bicarbonate (CAS #144-55-8) Approx. 50%, Aspirin (CAS #50-78-2) Approx. 10%

Exposure Limits:
Citric Acid: Not established
Sodium Bicarbonate: Not established
Aspirin: ACGIH-TWA 5.00 mg/m³, OSHA-TWA 5.00 mg/m³

3. HAZARD IDENTIFICATION

Emergency Overview: Potential Health Effects: Alka-Seltzer in water contains principally the antacid sodium citrate and the analgesic sodium acetylsalicylate (the soluble ionic form of aspirin). **NOTE:** This is a pharmaceutical product available without a prescription – use only as directed. See product packaging and the Physicians Desk Reference (PDR) for further information concerning adverse effects and drug interaction precautions.

Route(s) of Entry: Appropriate route of entry: oral.

Acute Effects of Exposure: Acute overexposure to this product may cause rapid or deep breathing, confusion, agitation, nausea, vomiting, diminished hearing, ringing in the ears, hemorrhage, acid/base imbalances, coma, seizures, hypotension or cardiac arrhythmias. Allergic reactions are possible with symptoms of reddening, itching, rash; swelling of the face, throat or tongue; and breathing problems. If swelling of the face, throat or tongue or breathing problems occur, seek medical attention immediately (aspirin).

Chronic Effects of Exposure: Chronic overexposure to this product may cause effects described under acute exposure. In addition, liver and/or kidney dysfunction may result (aspirin).

Carinogenicity: The components of this product are not listed by NTP, IARC, or regulated as a carcinogen by OSHA.

Medical Conditions Aggravated by Exposure: People with asthma, pre-existing hypersensitivity to the components of this product or other pain relievers, young children, the elderly, and pregnant women may be more susceptible to the effects of this product. In addition, children and teenagers with chickenpox or flu symptoms, people who are at risk for hemorrhage, those with a history of gastrointestinal ulcers or bleeding, who have impaired renal function, who are taking other prescription medications, or who consume more than 3 alcohol-containing drinks per day may also be more susceptible to the effects of this product (aspirin); those who have experienced congestive heart failure (sodium) or hypertension (sodium) may be more susceptible to the adverse effects of this product.

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Skin: Wash skin with plenty of soap and water. Contact a physician if irritation develops.

Inhalation: N/A

Ingestion: In case of overdose, contact your regional poison control center or physician immediately. For additional information contact Bayer Corporation at 1-800-800-4793.

5. FIREFIGHTING PROCEDURES

Flash Point (Method Used): N/A

Extinguisher Media: Water.

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

6. SPILL OR LEAK PROCEDURES

Spills should be swept up and placed in appropriate containers for disposal. Avoid creating dusty conditions.

7. SPECIAL PRECAUTIONS

Handling and Storage: Keep this and all drugs out of the reach of children. Avoid contact with eyes and skin. Wash thoroughly after handling. Store in a dry place away from excessive heat. Reseal containers immediately after use. Use normal precautions for storage of a drug.

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Storage Temperature: Room temperature.

Shelf Life: Do not use after expiration date.

Special Sensitivity: None known.

8. SPECIAL PROTECTION INFORMATION

Eye Protection: None for normal use.

Skin Protection: None for normal use.

Ventilation: Under normal conditions of use, special ventilation is not required.

Respirator: Under normal conditions of use, respirators are not required.

Work Practices: Normal clinical practice. Use good personal hygiene – wash hands and exposed skin thoroughly with soap and water after each use.

Additional Protective Measures: Use good personal hygiene. Employers shall provide handwashing facilities which are readily accessible to employees. Educate and train employees in the safe use and handling of this product.

9. PHYSICAL DATA

pH: Buffered pH 6-7.

Melting Point: N/A

Boiling Point: N/A

Vapor Pressure: Not established.

Specific Gravity: Not established.

Solubility in Water: Effervesces in water.

Appearance and Odor: Solid tablet, color – effervescent white, odor – odorless.

10. REACTIVITY DATA

Stability: Stable.

Incompatibility: See product packaging and the Physicians' Desk Reference (PDR) for drug interaction.

Hazardous Decomposition Products: N/A

Instability Conditions: Effervesces in contact with water, producing CO₂.

Hazardous Polymerization: Will not occur.

11. TOXICITY DATA

Toxicity Data for: Aspirin.

Acute Toxicity: Oral LD50: Greater than 1,500 mg/kg (rat)

12. ECOLOGICAL DATA

N/A

13. DISPOSAL INFORMATION

Waste Disposal Methods: Waste disposal should be in accordance with existing Federal, State and Local environmental control laws.

14. TRANSPORT INFORMATION

Non-Regulated.

15. REGULATORY INFORMATION

OSHA Status: None.

TSCA Status: Exempt, when used for pharmaceutical application.

CERCLA Reportable Quantity: None.

SARA Title III: Section 302 Extremely Hazardous Substance: None. Section 311/312 Hazard Categories: Exempt. Section 313 Toxic Chemicals: None.

RCTA Status: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under FCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as hazardous waste (40 CFR 261.20-24).

The following chemicals are specifically listed by individual states (Other product-specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.):

Component Name/CAS Number: Aspirin (50-78-2);
Concentration: Approx. 10%; State Code: PA1, CA, MA, NJ1

Component Name/CAS Number: Sodium Bicarbonate (144-55-8);
Concentration: Approx. 50%; State Code: PA3, NJ4

Component Name/CAS Number: Citric Acid (77-92-9);
Concentration: 30-40%; State Code: PA3, NJ4

CA = California Proposition 65

MA = Massachusetts Hazardous Substance List

NJ1 = New Jersey Hazardous Substance List

NJ4 = New Jersey other – included in 5 predominant ingredients >1%

PA1 = Pennsylvania Hazardous Substance List

PA3 = Pennsylvania Non-Hazardous present at 3% or greater

Additional Information: Active ingredients (per tablet): Aspirin, 325 mg; Sodium Bicarbonate, 1916 mg; Citric Acid, 1000 mg.

HMIS Ratings: Health = 1, Flammability = 0, Reactivity = 0.

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EFFERVESCENT TABLETS (CONT.)

16. ADDITIONAL INFORMATION

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. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH American Conference of Governmental Industrial Hygienists.

CAS Number Chemical Abstracts Service Number.

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act.

DOT U.S. Department of Transportation.

IARC International Agency of Research on Cancer.

N/A Not Available.

NTP National Toxicology Program.

OSHA Occupational Safety and Health Administration.

PEL Permissible Exposure Limit.

ppm Parts per million.

RCRA Resource Conservation and Recovery Act.

SARA Superfund Amendments and Reauthorization Act.

TLV Threshold Limit Value.

TSCA Toxic Substances Control Act.