



SAFETY DATA SHEET

(according to (EC) 1907/2006)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Magnesium Salicylate, USP

Synonyms:

Magnesium salt of 2-Hydroxybenzoic acid

1.2. Relevant identified uses of the substance or mixture and uses advised against

Personal care/Pharmaceutical

1.3. Details of the supplier of the safety data sheet

Manufacturer Information: Vertellus LLC
201 North Illinois Street, Suite 1800,
Indianapolis, IN 46204
800-223-0453

Non-Emergency Fax Number: 1-616-772-7344
E-Mail Address: msds@vertellus.com

Non-Emergency Phone Number: 1-800-223-0453

1.4. Emergency telephone number

Vertellus: 1-800-223-0453

CHEMTREC (USA): 1-800-424-9300 (collect calls accepted); (Int'l): 1-703-527-3887 (collect calls accepted; 011 prefix not needed)

SECTION 2: Hazards identification

HMIS Rating	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

2.1. Classification of the substance or mixture

(According to Regulation (EC) No 1272/2008)

Specific Target Organ Systemic Toxicity Single Exposure Category 3

Serious Eye Damage/Eye Irritation Category 2

Skin Corrosion/Irritation Category 2

Signal Word:

Warning

Hazard Precautions:

H335 - May cause respiratory irritation.

H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

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2.2. Label elements

Hazard Symbols (Pictogram):



Prevention Precautions:

- P271 - Use only outdoors or in a well-ventilated area.
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P264 - Wash hands thoroughly after handling.

First Aid Precautions:

- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P362 - Take off contaminated clothing and wash before reuse.
- P332+P313 - If skin irritation occurs: Get medical advice/attention.
- P321 - Specific treatment (see supplemental information on this label).
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

Storage Precautions:

- P405 - Store locked up.
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

Disposal Precautions:

- P501 - Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

Single Exposure Target Organs:

Not applicable

Repeated Exposure Target Organs:

Not applicable

(According to Directive 67/548/EEC)

- Symbol:** Xi
- Risk Phrases:** R36/37/38: Irritating to eyes, respiratory system and skin.
- Safety Phrases:** S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of soap and water.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

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2.3. Other hazards

Signs and Symptoms of Potential Overexposure: See Section 11 for further toxicological information.
Primary Route(s) of Exposure: Inhalation. Ingestion. Eye contact. Skin contact.
Medical Conditions Aggravated by Exposure: Not available.

SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

Ingredient	CAS Number	Concentration (%)	EINECS / ELINCS	EU Symbol	Risk Phrases
Magnesium salicylate	18917-95-8	99 - 100	242-669-3	Xi	R36/37/38

NOTE: See Section 8 of this MSDS for exposure limit data for these ingredients.
 See Section 15 of this MSDS for trade secret information (where applicable).
 See Section 16 of this MSDS for the full text of the R-phrases above.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin Contact: Wash exposed area twice with soap and water. Get medical attention if irritation develops or persists.
Eye Contact: Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. GET MEDICAL ATTENTION.
Inhalation: Remove from exposure area to fresh air immediately. Seek medical advice if symptoms persist.
Ingestion: GET MEDICAL ATTENTION. Do not give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Acute: See Section 11 for further toxicological information.
Delayed Effects: None known.

4.3. Indication of any immediate medical attention and special treatment needed

Thermal Exposure: Not applicable.
Note to Physician: No additional first aid information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Appropriate Extinguishing Media: Foam, alcohol foam, carbon dioxide, dry chemical.

5.2. Special hazards arising from the substance or mixture

Hazardous Products of Combustion: Combustion will produce carbon monoxide, carbon dioxide and oxides of nitrogen.
Potential for Dust Explosion: not available

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Special Flammability Hazards: Not applicable.

5.3. Advice for firefighters

Basic Fire Fighting Guidance: Wear self-contained breathing apparatus and full protective clothing (i.e., Bunker gear). Skin and eye contact must be avoided due to high toxicity. Normal fire fighting procedures may be used.

Flammability Classification (OSHA): Not applicable.

NFPA Rating



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures: Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Special Instructions: Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers, and waterways.

6.3. Methods and material for containment and cleaning up

Containment Techniques and Clean-up Procedures: LARGE SPILLS: Shut off leak if safe to do so.

Special Reporting Requirements: Not applicable.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards: Not applicable.

Practices to Minimize Risk: Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material.

Special Handling Equipment: Avoid generating dusts and mists. Prevent the release of dusts, mists and vapors into the workplace air.

7.2. Conditions for safe storage, including any

incompatibilities

Storage Precautions & Store away from sources of heat and light. Keep container closed when not in use.



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Recommendations:

Dangerous Incompatibility Reactions: Not available.

Incompatibilities with Materials of Construction: none known

7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits (United States): OSHA PEL: Not established ACGIH TLV: Not established

8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

Personal Protective Equipment: Wear chemical protective gloves. Wear clean body-covering clothing to prevent contact with skin. Wear safety glasses or chemical goggles.

Respirator Caution: Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

Ventilation: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided.

Other Engineering Controls: All appropriate engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits.

Thermal Hazards: Not applicable.

Additive or Synergistic Effects: None known.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, State & Odor (ambient temperature):	Solid White crystalline powder Odorless		
Molecular Formula:	Mg(C ₇ H ₅ O ₃) ₂	Molecular Weight:	298.03
Vapor Pressure:	Not available.	Evaporation Rate:	Not available.
Specific Gravity or Density:	1.1	Vapor Density (air = 1):	Not available.
Boiling Point:	Not available.	Freezing / Melting Point:	Not available.
Solubility in Water:	1gm/3mL	Octanol / Water Coefficient:	Not available.
pH:	Not available.	Odor Threshold:	Not available.
Viscosity:	Not available.	Autoignition Temperature:	Not available.
Flash Point and Method:	Not available. (Not available.) (Not available.)	Flammable Limits:	Not available. (LEL) – Not available. (UEL)



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9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

<u>10.1. Reactivity</u>	Not classified as dangerously reactive.
<u>10.2. Chemical stability</u>	Stable
<u>10.3. Possibility of hazardous reactions</u>	Will not occur.
<u>10.4. Conditions to avoid</u>	Avoid static discharge and generation of dust. Static charge or any other ignition source.
<u>10.5. Incompatible materials</u>	Not available.
<u>10.6. Hazardous decomposition products</u>	Products of incomplete combustion may include CO, CO ₂ , NO _x , and dense smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD ₅₀ :	Not available.
Acute Dermal LD ₅₀ :	Not available.
Acute Inhalation LC ₅₀ :	Not available.
Skin Irritation:	Mildly irritating to skin.
Skin Sensitization:	Not available.
Eye Irritation:	Mildly irritating to eyes.
Target Organs:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	Not available.
Reproduction:	Not available.
Neurotoxicity:	No data available.
Mutagenicity:	Not available.

SECTION 12: Ecological information

<u>12.1. Toxicity</u>	Not available.
<u>12.2. Persistence and degradability</u>	No data
<u>12.3. Bioaccumulative potential</u>	No data



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<u>12.4. Mobility in soil</u>	No data
<u>12.5. Results of PBT and vPvB assessment</u>	Not available.
<u>12.6. Other adverse effects</u>	No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number:	Not applicable
Waste Classification: (per US regulations)	Do NOT dump into any sewers, on the ground or into any body of water. NOTE: Generator is responsible for proper waste characterization. State (USA) hazardous waste regulations may differ substantially from federal (USA) regulations.
Waste Disposal:	Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: Transport information

<u>14.1. UN number</u>	Not applicable
<u>14.2. UN proper shipping name</u>	Chemicals, n.o.s. (Magnesium Salicylate)
<u>14.3. Transport hazard class(es)</u>	Not applicable
<u>14.4. Packing group</u>	Not applicable
<u>14.5. Environmental hazards</u>	Not applicable
<u>14.6. Special precautions for user</u>	Not available.
NA Emergency Guidebook Numbers:	Not applicable
	IMDG EMS: Not applicable
<u>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>	Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Hazards: Health: Physical: Not applicable.

WHMIS Classification: Class D, Division 2, Subdivision B: Toxic Material.

Chemical Inventory Lists: Status



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TSCA:	Present (as anhydrous form, CAS 18917-89-0)
EINECS:	242-669-3 (as anhydrous form)
Canada(DSL/NDSL):	DSL (as anhydrous form, CAS 18917-89-0)
Japan:	Not listed.
Korea:	Not listed.
Australia:	Not listed.
New Zealand:	Not listed.
China:	Present
Philippines:	Not listed.
Switzerland:	Not listed.

New Zealand GHS Classification: Not classified by this country.

Japan GHS Classification: Not classified by this country.

Korea (MOL) GHS Classification: Not classified by this country.

Australia GHS Classification: Not classified by this country.

Taiwan GHS Classification: Not classified by this country.

Indonesia GHS Classification: Not classified by this country.

SARA 313: None

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Full text of R phrases in Section 3: R36/37/38: Irritating to eyes, respiratory system and skin.



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Legend of abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.
CAS = Chemical Abstracts Service.
CERCLA = Comprehensive Environmental, Response, Compensation and Liability Act (1990).
CFR = Code of Federal Regulations.
DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.
EC = European Community.
EEC = European Economic Community.
EINECS = European Inventory of Existing Commercial chemical Substances.
ELINCS = European List of Notified Chemical Substances.
EU = European Union.
GHS = Globally Harmonized System.
LC = Lethal concentration.
LD = Lethal dose.
MOL = Ministry of Labor.
NEMA = National Emergency Management Agency.
NFPA = National Fire Protection Association.
NIOSH = National Institute of Occupational Safety and Health.
NTP = National Toxicological Program.
OSHA = Occupational Safety and Health Administration
PEL = Permissible exposure limit.
RQ = Reportable quantity.
SARA = Superfund Amendments and Reauthorization Act of 1986.
TLV = Threshold limit value.
WHMIS = Workplace Hazardous Materials Information System.

Precautionary Statement: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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