



## MAGNESIUM STEARATE SW/F/1 VEG - US

Version 1.3

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### SECTION 1. IDENTIFICATION

#### Product identifier

Trade name : **MAGNESIUM STEARATE SW/F/1 VEG - US**

#### Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Manufacture of plastics products  
Polymer additive  
Stabilizer

Recommended restrictions on use : None known.

#### Details of the supplier of the safety data sheet

Company : Baerlocher Production USA LLC  
5890 Highland Ridge Drive  
Cincinnati, OH 45232  
Telephone : Cell Phone: 1-513-604-2327  
E-mail address : Hotline.PS@baerlocher.com  
Responsible/issuing person : Product Safety Department

#### Emergency telephone number (0 - 24 h)

CHEMTREC: 1-800-424-9300 (inside U.S.) / 1-703 527-3887 (outside U.S.) Collect calls are accepted

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Combustible dust

#### GHS label elements

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

#### Other hazards

Dust can form an explosive mixture in air.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Chemical nature : Magnesium salt of C16 - C18 fatty acids.

### SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.  
In case of skin contact : Wash off with plenty of water.



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In case of eye contact	:	Rinse with plenty of water.
If swallowed	:	Clean mouth with water and drink afterwards plenty of water.
Most important symptoms and effects, both acute and delayed	:	No information available.
Notes to physician	:	Treat symptomatically.

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### SECTION 5. FIREFIGHTING MEASURES

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Suitable extinguishing media	:	Water spray Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical Sand
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	Smoke and fumes, toxic.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation. Remove all sources of ignition.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
Methods and materials for containment and cleaning up	:	Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

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Advice on safe handling	:	Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Avoid formation and buildup of dust.
Conditions for safe storage	:	Store at room temperature in the original container. Keep in a dry place.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

**Engineering measures** : Local exhaust

#### Personal protective equipment

**Respiratory protection** : In the case of dust or aerosol formation use respirator with an approved filter.  
Half mask with a particle filter P2 (EN 143)  
P1 filter respirator for inert particles



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Hand protection

Remarks	:	protective gloves acc. to EN 374, e.g. neoprene
Eye protection	:	Safety glasses
Skin and body protection	:	Long sleeved clothing
Protective measures	:	antistatic shoes
Hygiene measures	:	When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday. Shower or bathe at the end of working. Keep working clothes separately.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	powder
Color	:	off-white
Odor	:	slight
Odor Threshold	:	No data available
pH	:	7 - 9 (20 °C)
Melting point/range	:	> 100 °C Method: Kofler Hot Bar (OECD 102)
Boiling point/boiling range	:	No data available
Flash point	:	>> 100 °C
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	> 1 g/cm <sup>3</sup> Method: OECD Test Guideline 109
Bulk density	:	No data available
Solubility(ies)	:	
Water solubility	:	slightly soluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available



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Decomposition temperature : No decomposition if stored and applied as directed.

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable at normal ambient temperature and pressure.

Chemical stability : No decomposition if stored normally.

Possibility of hazardous reactions : Risk of dust explosion.

Conditions to avoid : Avoid dust formation.  
Keep away from heat and sources of ignition.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No decomposition if used as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

**Product:**

Acute oral toxicity : LD50 (Rat, male): > 7,500 mg/kg  
Method: standardised international/national methodology  
  
LD50 (Rat, female): > 6,000 mg/kg  
Method: standardised international/national methodology  
Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Read-across (Analogy)  
  
LC50 (Rat): > 0.1621 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
GLP: no  
Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : Remarks: Read-across (Analogy)  
  
LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 434  
Remarks: Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

**Product:**

Remarks: Read-across (Analogy)



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Species: Humans  
Exposure time: 0.25 h  
Method: Regulation (EC) No. 761/2009, B.46.  
Result: not irritating  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

### Serious eye damage/eye irritation

#### Product:

Remarks: Read-across (Analogy)

Species: Rabbit  
Result: not irritating  
Method: OECD Test Guideline 405  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

### Respiratory or skin sensitisation

#### Product:

Remarks: Skin sensitisation  
Read-across (Analogy)

Test Type: Maximisation Test  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

Remarks: Respiratory sensitisation  
Read-across (Analogy)

Remarks: Not classified due to lack of data.

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: Read-across (Analogy)

: Test Type: In vitro gene mutation study in mammalian cells  
Species: mouse lymphoma cells  
Method: OECD Test Guideline 476  
Result: negative  
GLP: no

: Remarks: Read-across (Analogy)

: Test Type: Mutagenicity (in vitro mammalian cytogenetic test)  
Species: Human lymphocytes



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Method: OECD Test Guideline 473  
Result: negative  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product:**

Remarks: Read-across (Analogy)

Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 453  
Remarks: Based on available data, the classification criteria are not met.

Remarks: This product contains no known or suspected carcinogens listed by IARC, NTP or OSHA at or above reportable quantities.

**Reproductive toxicity**

**Product:**

Effects on fertility : Remarks: Read-across (Analogy)  
Test Type: Screening for reproductive/developmental toxicity  
Species: Rat  
Application Route: Oral  
Method: OECD Test Guideline 422  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

Effects on foetal development : Remarks: Read-across (Analogy)  
Species: Rat  
Application Route: Oral  
Method: OECD Test Guideline 414  
Remarks: Based on available data, the classification criteria are not met.

**STOT - single exposure**

**Product:**

Remarks: Read-across (Analogy)  
Based on available data, the classification criteria are not met.



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**Repeated dose toxicity**

**Product:**

Remarks: Read-across (Analogy)

Species: Rat

Application Route: Oral

Method: OECD Test Guideline 422

GLP: yes

Remarks: Based on available data, the classification criteria are not met.

**Aspiration toxicity**

**Product:**

Not classified due to lack of data.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Toxicity to fish

:

Remarks: Read-across (Analogy)

LC50 (Pimephales promelas (fathead minnow)): 541 mg Mg/L  
Exposure time: 96 h  
Test Type: static test  
Method: standardised international/national methodology  
GLP: no

Toxicity to daphnia and other  
aquatic invertebrates

:

NOEL (Daphnia (water flea)): 1,000 mg/l  
Exposure time: 48 h  
Method: ISO 6341

EC50 (Daphnia (water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Method: ISO 6341

EC100 (Daphnia (water flea)): > 1,000 mg/l  
Exposure time: 48 h  
Method: ISO 6341

Toxicity to algae

:

NOEL (Desmodesmus subspicatus (green algae)): 800 mg/l  
Exposure time: 72 h  
Method: ISO 8692

EC50 (Desmodesmus subspicatus (green algae)): > 800 mg/l  
Exposure time: 72 h  
Method: ISO 8692



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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: Read-across (Analogy)

EC10 (Daphnia magna (Water flea)): 82 mg Mg/L  
Exposure time: 21 d  
Test Type: semi-static test  
GLP: no

Remarks: Read-across (Analogy)

NOEC (Daphnia magna (Water flea)): > 0.22 mg/l  
Exposure time: 21 d  
Test Type: semi-static test  
Method: OECD Test Guideline 211  
GLP: yes

Toxicity to bacteria : Remarks: Read-across (Analogy)

: EC50 (activated sludge): > 900 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition  
Method: OECD Test Guideline 209

**Ecotoxicology Assessment**

Acute aquatic toxicity : Based on available data, the classification criteria are not met.

Chronic aquatic toxicity : Based on available data, the classification criteria are not met.

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: Read-across (Analogy)

Test Type: aerobic  
Inoculum: activated sludge  
Result: Readily biodegradable.  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes  
Remarks: The 10 day time window criterion is not fulfilled.

**Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: Read-across (Analogy)

Species: Danio rerio (zebra fish)  
Bioconcentration factor (BCF): 255  
Exposure time: 28 d  
Method: OECD Test Guideline 305  
GLP: no  
Remarks: Bioaccumulation is unlikely.





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**Mobility in soil**

**Product:**

Mobility : Remarks: Read-across (Analogy)  
Remarks: Predicted distribution to environmental compartments  
Soil  
Sediment

**Other adverse effects**

**Product:**

Results of PBT and vPvB assessment : Based on available data, the classification criteria are not met.  
Endocrine disrupting potential : No information available.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : Consult an expert on the disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Dispose in accordance with local, state and federal regulations.  
Contaminated packaging : Empty containers must be handled with care due to product residue.

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**SECTION 14. TRANSPORT INFORMATION**

**National Regulations**

**DOT**

Not regulated as a dangerous good

**International Regulations**

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.



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**SECTION 15. REGULATORY INFORMATION**

**SARA 313**

: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Components	CAS-No.	Wt.
not applicable	Not Assigned	

**The components of this product are reported in the following inventories:**

EINECS	listed
TSCA	listed
DSL	listed
AICS	listed
ENCS	listed
ECL	listed
PICCS	listed
CHINA	listed

**SECTION 16. OTHER INFORMATION**

**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading



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Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

**HMIS III:**

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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