



## Zinc Laurate SW - US

Version 1.1

Revision Date 14.09.2015

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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : **Zinc Laurate SW - US**

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

Use of the Substance/Mixture : Manufacture of plastics products, Manufacture of rubber products, Manufacture of soap and detergents, cleaning and polishing mixtures, Manufacture of paper and paperboard, Manufacture of glues  
Polymer additive  
Lubricant and release agent, water repellent agent

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

Company : Baerlocher Production USA LLC  
5890 Highland Ridge Drive  
45232 Cincinnati  
Telephone : Day 330-602-1528, 330-602-1531 or -1530  
: Night 513-207-1620 or 513-604-2327  
E-mail address : Hotline.PS@baerlocher.com  
Responsible/issuing person : Product Safety Department

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

Tel.: 800-424-9300 USA or 703-527-3887

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### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Global Harmonized System (GHS)  
Not a hazardous substance or mixture according to OSHA  
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008  
This substance is not classified as dangerous according to Directive 67/548/EEC or 1999/45/EC.  
WHMIS hazard class – not controlled.

#### 2.2 Label elements

##### OSHA 29 CFR § 1910.1200

Signal word: Warning

Hazard Statement: May form combustible dust concentrations in air.

##### Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### 2.3 Hazards not otherwise classified (HNOC)

Health injuries are not known or expected under normal use.



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### 3. Composition/information on ingredients

#### 3.1 Substances

Common names : Zinc laurate; Zinc dilaurate CAS# 2452-01-9  
Chemical name : Zinc salt of C12 fatty acid

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### 4. First aid measures

#### 4.1 Description of first aid measures

If inhaled : Move to fresh air.  
In case of skin contact : Wash off with plenty of water.  
In case of eye contact : Rinse with plenty of water.  
If swallowed : Clean mouth with water and drink afterwards plenty of water.

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

Symptoms : No information available.

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

Treatment : Treat symptomatically.

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### 5. Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Sand

Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Smoke and fumes, toxic.

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.



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### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.  
Remove all sources of ignition.

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

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### 7. Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Take precautionary measures against static discharges.  
Keep away from sources of ignition - No smoking.  
Avoid formation and buildup of dust.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store at room temperature in the original container.  
Keep in a dry place.

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### 8. Exposure controls/personal protection

#### 8.1 Control parameters

Components with workplace control parameters

Components	Basis	Value	Note
General limits for air contaminants (PNOC)	ACGIH TLV	10 mg/m <sup>3</sup>	total dust
	ACGIH TLV	3 mg/m <sup>3</sup>	Respirable fraction
	OSHA PEL	15 mg/m <sup>3</sup>	total dust
	OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction

DNEL : End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Repeated or prolonged exposure, Systemic effects  
Value: 36 mg/m<sup>3</sup>



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DNEL	:	End Use: Workers Exposure routes: Skin contact Potential health effects: Repeated or prolonged exposure, Systemic effects Value: 593 mg/kg bw/day
PNEC	:	Fresh water Value: 20,6 µg Zn/L
PNEC	:	Marine water Value: 6,1 µg Zn/L
PNEC	:	Microbiological Activity in Sewage Treatment Systems Value: 52 µg Zn/L
PNEC	:	Fresh water sediment Value: 117,8 mg Zn/kg d.w.
PNEC	:	Marine sediment Value: 56,5 mg Zn/kg d.w.
PNEC	:	Soil Value: 35,6 mg Zn/kg d.w.

### 8.2 Exposure controls

#### Engineering measures

Local exhaust

#### Personal protective equipment

Respiratory protection	:	P1 filter respirator for inert particles Necessary, in case of dust formation.
Hand protection	:	protective gloves acc. to EN 374, e.g. neoprene
Eye protection	:	Safety glasses
Skin and body protection	:	Long sleeved clothing
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.
Protective measures	:	Static dissipative shoes are recommended for use in environments that may not have sufficient ventilation and engineering controls to prevent incidental releases of airborne concentrations of the combustible dust to present an explosion hazard from static electrical discharge from personnel.

#### Environmental exposure controls

General advice	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	:	white powder
Odor	:	slight characteristic odor
Odor Threshold	:	no data available
pH	:	7 - 9, 20 °C
Melting point/range	:	ca. 125 °C, Kofler Hot Bar (OECD 102)
Flash point	:	>> 100 °C
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Flammability or explosive limits	:	no data available
Upper	:	no data available
Lower (MEC)	:	no data available
Vapor Pressure	:	no data available
Vapor Density	:	no data available
Density	:	>1 g/cm <sup>3</sup>
Solubility	:	insoluble in water
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	Stable under normal storage and handling temperatures
Viscosity	:	no data available
Molecular formula	:	Mixture derived from natural products
Molecular weight	:	464 (approximate)

#### 9.2 Other information

Bulk density : 250-320 g/L

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### 10. Stability and reactivity

#### 10.1 Reactivity

Stable at normal ambient temperature and pressure.

#### 10.2 Chemical stability

No decomposition if stored normally.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Risk of dust explosion.



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### 10.4 Conditions to avoid

Conditions to avoid : Avoid dust formation.  
Sources of ignition

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products : No decomposition if used as directed.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity : Read-across (Analogy)  
: LD50: > 2.000 mg/kg, rat, OECD Test Guideline 423, GLP: yes, Based on available data, the classification criteria are not met.

Acute inhalation toxicity : LC50: > 5,08 mg/l, 4 h, rat, dust/mist, OECD Test Guideline 436, GLP: yes, Based on available data, the classification criteria are not met.

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

Skin corrosion/irritation : Read-across (Analogy)  
: rabbit, Result: not irritating, OECD Test Guideline 404, GLP: yes, Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation : rabbit, Result: not irritating, OECD Test Guideline 405, GLP: yes, Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation : Skin sensitisation  
: Read-across (Analogy)  
: Based on available data, the classification criteria are not met.  
: Respiratory sensitisation  
: Read-across (Analogy)  
: Based on available data, the classification criteria are not met.

Germ cell mutagenicity

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



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Carcinogenicity	: Read-across (Analogy) : Based on available data, the classification criteria are not met.
Reproductive toxicity	: Read-across (Analogy) : Based on available data, the classification criteria are not met.
Teratogenicity	: Read-across (Analogy) : Based on available data, the classification criteria are not met.
STOT - single exposure	: Remarks: Read-across (Analogy) : Remarks: Based on available data, the classification criteria are not met.
STOT - repeated exposure	: Read-across (Analogy)
STOT - repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration toxicity	: Based on available data, the classification criteria are not met.

### 11.2 Other Information

Likely route of exposure	: Inhalation, Ingestion, Skin contact.
Carcinogenicity	: Not listed in the National Toxicology Program (NTP) Report on carcinogens, not found to be a potential carcinogen by the International Agency for Research on Cancer (IARC) nor by OSHA.
Further information	: CMR effects, Carcinogenicity, Mutagenicity, Reproductive toxicity, Hazard assessment, Category 1A, Category 1B, Based on available data, the classification criteria are not met.

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## 12. Ecological information

### 12.1 Toxicity

Toxicity to fish	: LC50: > 10 mg/l, 96 h, Danio rerio (zebra fish), OECD Test Guideline 203 : Read-across (Analogy) : 0.330 - 0.780 mg Zn/l, Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates	: Read-across (Analogy) : LC50: 0.147 - > 0,53 mg Zn/l, Ceriodaphnia dubia (water flea)
Toxicity to algae	: EL50: 12,87 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), semi-static test, OECD Test Guideline 201, GLP: yes, Value referred to the Water accumulated fraction (WAF). : EC10: 3,73 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae), semi-static test, OECD Test Guideline 201, GLP: yes, Value referred to the Water accumulated fraction (WAF).



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Toxicity to bacteria	: Read-across (Analogy) : EC50: 5,2 mg Zn/l, 3 h, activated sludge, static test, OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	: Read-across (Analogy)  NOEC: 0,044 - 0,530 mg Zn/L, Fresh water  Read-across (Analogy) NOEC: 0,025 mg Zn/L, Marine water
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: Read-across (Analogy)  NOEC: 0,037 - 0,400 mg Zn/L, Fresh water  Read-across (Analogy) NOEC: 0,0056 - 0,9 mg Zn/L, Marine water
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.

### 12.2 Persistence and degradability

Biodegradability	: : Read-across (Analogy) : aerobic, 86,2 %, Result: Readily biodegradable., Exposure time: 28 d, activated sludge, OECD Test Guideline 301 F, GLP: yes
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### 12.3 Bioaccumulative potential

Bioaccumulation	: : Read-across (Analogy) : : This substance is not considered to be bioaccumulating.
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### 12.4 Mobility in soil

Mobility	: no data available
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### 12.5 Results of PBT and vPvB assessment

Assessment	: Based on available data, the classification criteria are not met.
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### 12.6 Other adverse effects

Further information	: No information available.
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### 13. Disposal considerations

#### 13.1 Waste treatment methods

Product : 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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### 14. Transport information

14.1 UN number : Not applicable  
DOT : Not dangerous goods  
TDG (Canada) : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

14.2 Proper shipping name  
DOT : Not dangerous goods  
TDG (Canada) : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

14.3 Transport hazard class  
DOT : Not dangerous goods  
TDG (Canada) : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

14.4 Packing group  
DOT : Not dangerous goods  
TDG (Canada) : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

14.5 Environmental hazards  
DOT : Not dangerous goods  
TDG (Canada) : Not dangerous goods  
IMDG : Not dangerous goods  
IATA : Not dangerous goods

14.6 Special precautions for user  
See this safety data sheet chapter 6. - 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Remarks : No transport according to Annex II of MARPOL 73/78 and the IBC Code



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### 15. Regulatory information

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

##### Section 313 Supplier Notification (USA)

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	wt [%]
Zinc compounds	100

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

#### 15.3 Chemical Inventory

Europe	EINECS	:	listed
United States	TSCA	:	listed
Canada	DSL	:	listed
Australia	AICS	:	listed
Japan	ENCS	:	listed
Korea	KECL	:	listed
Philippines	PICCS	:	listed
China	IECSC	:	listed

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### 16. Other information

#### 16.1 HMIS Rating (USA)

Health	1
Flammability	1
Reactivity	1
Personal Protection	E

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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 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.