



## TALLOW FATTY ACID

Version 1.0

Revision Date 03/31/2022

### SECTION 1. IDENTIFICATION

#### Product identifier

Trade name : **TALLOW FATTY ACID**

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

Use of the Sub-  
stance/Mixture : Manufacture of plastics products  
Polymer additive  
Lubricant and release agent

Recommended restrictions  
on use : None known.

#### Manufacturer or supplier's details

Company name of supplier : Baerlocher Production USA LLC  
513-604-2327

Address : 5890 Highland Ridge Drive  
Cincinnati OH 45232

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

E-mail address : Hotline.PS@baerlocher.com

Responsible/issuing person : Product Safety Department

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Combustible dust : Category 1

#### GHS label elements

Signal word : Warning

Hazard statements : May form combustible dust concentrations in air.

#### Other hazards

Health injuries are not known or expected under normal use.  
Combustible material

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Fatty acid C16 - C18.



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### SECTION 4. FIRST AID MEASURES

- If inhaled : Move to fresh air.
- In case of skin contact : Wash off with soap and water.
- In case of eye contact : Rinse with plenty of water.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Get medical advice/ attention if you feel unwell.  
Show this safety data sheet to the doctor in attendance.
- 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

- 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

- 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

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



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Avoid formation and buildup of dust.

Conditions for safe storage : Store at room temperature in the original container.  
Keep in a dry place.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
General limits for air contaminants (PNOC)	Not Assigned	air 8 h (total dust)	15 mg/m <sup>3</sup>	OSHA Z-3
		air 8 h (Respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-3
		air 8 h (inhalable dust)	10 mg/m <sup>3</sup>	ACGIH
		air 8 h (Respirable fraction)	3 mg/m <sup>3</sup>	ACGIH

**Engineering measures** : Local exhaust

**Personal protective equipment**

Respiratory protection : P1 filter respirator for inert particles

Hand protection  
Material : Protective gloves complying with EN 374.

Eye protection : Safety glasses

Skin and body protection : Long sleeved clothing

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.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Do not smoke.  
When using do not eat or drink.  
Wash hands before breaks and at the end of workday.  
Regular cleaning of equipment, work area and clothing.



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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	flakes
Color	:	off-white
Odor	:	slight
Odor Threshold	:	No data available
pH	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 180 °C(GESTIS database)
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 vapor density	:	No data available
Relative density	:	No data available
Density	:	No data available
Bulk density	:	No data available
Solubility(ies) Water solubility	:	practically insoluble
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY



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Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	No decomposition if stored normally.
Possibility of hazardous reactions	:	Combustible material Dust can form an explosive mixture in air.
Conditions to avoid	:	Avoid dust formation. Keep away from heat and sources of ignition.
Incompatible materials	:	Not applicable
Hazardous decomposition products	:	No decomposition if used as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: no 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 Remarks: Based on available data, the classification criteria are not met.
Acute dermal toxicity	:	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:

Species: Rabbit  
Method: standardised international/national methodology  
Result: No skin irritation  
GLP: no  
Remarks: Based on available data, the classification criteria are not met.



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### Serious eye damage/eye irritation

**Product:**

Species: Rabbit

Result: not irritating

Method: standardised international/national methodology

GLP: no

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

### Respiratory or skin sensitisation

**Product:**

Remarks: Skin sensitisation

Remarks: 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

Not classified due to lack of data.

### Germ cell mutagenicity

**Product:**

- Genotoxicity in vitro
- : Remarks: Read-across (Analogy)
  - : Test Type: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Species: Bacteria  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes
  - : 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: yes
  - : Remarks: Read-across (Analogy)
  - : Test Type: Mutagenicity (in vitro mammalian cytogenetic test)  
Species: CHL  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes



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

### Carcinogenicity

#### Product:

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  
General Toxicity - Parent: NOAEL: 1,000 mg/kg body weight  
General Toxicity F1: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 422  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

Remarks: Read-across (Analogy)

Test Type: Screening for reproductive/developmental toxicity  
Species: Rat  
Application Route: Oral  
NOAEL: 1,000 mg/kg,  
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)

Test Type: Screening for reproductive/developmental toxicity  
Species: Rat  
Application Route: Oral  
General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight  
Developmental Toxicity: NOAEL: 1,000 mg/kg body weight  
Method: OECD Test Guideline 422  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

Remarks: Read-across (Analogy)

Species: Rat  
Application Route: Oral  
1,000 mg/kg  
Method: OECD Test Guideline 422  
GLP: yes



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

### STOT - single exposure

**Product:**

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

### Repeated dose toxicity

**Product:**

Remarks: Read-across (Analogy)

Species: Rat

NOAEL: 1,000 mg/kg

Application Route: Oral

Method: OECD Test Guideline 422

GLP: yes

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

### Aspiration toxicity

**Product:**

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

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**Product:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 10,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: no

LC50 (Leuciscus idus (Golden orfe)): > 5,000 mg/l  
Exposure time: 96 h  
Method: Expert judgement

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 32 mg/l  
Exposure time: 47 h  
Test Type: static test  
Method: standardised international/national methodology  
GLP: yes

EC50 (Daphnia magna (Water flea)): > 4.8 mg/l  
Exposure time: 48 h  
Test Type: static test





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		Method: OECD Test Guideline 202 GLP: yes
		LC50 (Artemia salina): > 20 mg/l Exposure time: 48 h
Toxicity to algae	:	Remarks: Read-across (Analogy)  EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.9 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes  Remarks: Read-across (Analogy)  NOEC (Pseudokirchneriella subcapitata (green algae)): > 0.9 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	:	Remarks: study scientifically unjustified
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	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	:	EC10 (Pseudomonas putida): 883 mg/l Exposure time: 16 h Test Type: static test Method: standardised international/national methodology GLP: yes
<b>Ecotoxicology Assessment</b>		
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.
<b>Persistence and degradability</b>		
<b>Product:</b>		
Biodegradability	:	Remarks: Read-across (Analogy)



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### Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: Read-across (Analogy)

### Mobility in soil

**Product:**

Mobility : Method: QSAR  
Remarks: Predicted distribution to environmental compartments  
Sediment  
Soil

### 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



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

Not applicable for product as supplied.

## 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

AIIC - Australian Inventory of Industrial Chemicals; 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 Admin-



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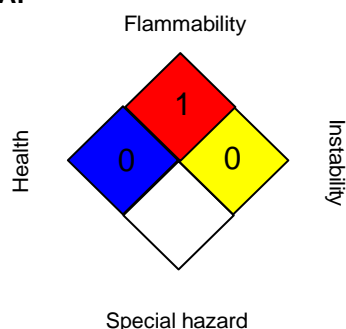
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istration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National 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; TECL - Thailand Existing Chemicals 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**

**NFPA:**



**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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