



## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

### SECTION 1. IDENTIFICATION

#### Product identifier

Trade name : **ALUGEL 30 HEP**

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

Use of the Sub-  
stance/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 45231

Telephone : Day 330-602-1528 or 330-602-1531  
: Night 513-207-1620 or 513-604-2327

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

Responsible/issuing person : Product Safety Department

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

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

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Combustible dust

#### GHS label elements

Signal word: Warning

Hazard statement: May form combustible dust concentration in air.

#### Other hazards

Dust can form an explosive mixture in air.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Aluminium 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.



## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

- 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

- 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.  
Avoid formation and buildup of dust.
- Conditions for safe storage : Store at room temperature in the original container.  
Keep in a dry place.



**ALUGEL 30 HEP**

Version 1.0

Revision Date 04/30/2019

**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** : 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

**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 : without



## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

Odor Threshold	:	No data available
pH	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Upper explosion limit	:	No data available
Vapor pressure	:	< 3,000 hPa (50 °C)
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	1 kg/m <sup>3</sup> (20 °C)
Bulk density	:	No data available
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n- octanol/water	:	log Pow: 7.94 (20 °C)
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No decomposition if stored and applied as directed.
Viscosity Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	Stable under normal storage and handling temperatures.
Possibility of hazardous reactions	:	Risk of dust explosion.
Conditions to avoid	:	Avoid dust formation. Keep away from heat and sources of ignition.



## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

Incompatible materials	:	Strong oxidizing agents Strong acids Halogenated compounds
Hazardous decomposition products	:	No decomposition if used as directed.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

**Product:**

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423 GLP: yes Remarks: Based on available data, the classification criteria are not met.
Acute inhalation toxicity	:	LC50 (Rat): > 5.15 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Remarks: Based on available data, the classification criteria are not met.
Acute dermal toxicity	:	Remarks: Not classified due to lack of data.

#### Skin corrosion/irritation

**Product:**

Species: reconstructed human epidermis (RhE)  
Method: OECD Test Guideline 431  
Result: not irritating  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

#### Serious eye damage/eye irritation

**Product:**

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:**

Test Type: LLNA  
Species: Mouse



## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

Method: OECD Test Guideline 429

Result: negative

GLP: yes

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

Remarks: Respiratory sensitisation

Remarks: Not classified due to lack of data.

### Germ cell mutagenicity

#### Product:

- Genotoxicity in vitro
- : Test Type: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Species: Bacteria  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes
  - : 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  
Remarks: Based on available data, the classification criteria are not met.
- Genotoxicity in vivo
- : Remarks: Read-across (Analogy)  
  
Test Type: In vivo micronucleus test  
Species: Rat  
Application Route: Oral  
Exposure time: 2d  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes  
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.



## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: Read-across (Analogy)  
Test Type: Two-generation study  
Species: Rat  
NOAEL: 367.1 mg/kg,  
Method: OECD Test Guideline 416  
GLP: yes  
Remarks: Based on available data, the classification criteria are not met.

Effects on foetal development : Remarks: Read-across (Analogy)  
Species: Rat  
1,564.7 mg/kg  
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:

Species: Mouse  
NOAEL: 4,176.5 mg/kg  
Application Route: Oral  
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 : LL50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes



ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

	Remarks: Value referred to the Water accumulated fraction (WAF).
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: semi-static test Method: OECD Test Guideline 202 GLP: yes Remarks: Value referred to the Water accumulated fraction (WAF).
Toxicity to algae	: Remarks: Read-across (Analogy)  EC50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	: Remarks: Read-across (Analogy)  Remarks: Aluminium  NOEC (Salmo trutta (brown trout)): 0.169 mg/l Exposure time: 30 d Test Type: static test Method: standardised international/national methodology GLP: no
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: Remarks: Read-across (Analogy)  Remarks: Aluminium  NOEC (Daphnia magna (Water flea)): 0.16 mg/l Exposure time: 21 d Test Type: semi-static test Method: standardised international/national methodology GLP: no
Toxicity to bacteria	: NOEC (activated sludge): 42.7 mg/l Exposure time: 29 d Test Type: static test Method: standardised international/national methodology GLP: yes

**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.





## ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

### Persistence and degradability

#### Product:

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: 81.2 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Read-across (Analogy)  
  
Bioconcentration factor (BCF): 36 - 215  
Remarks: Does not bioaccumulate.

### Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: No data available

### 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 : Dispose in accordance with local, state and federal regulations.  
Consult an expert on the disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

Contaminated packaging : Empty containers must be handled with care due to product residue.



**ALUGEL 30 HEP**

Version 1.0

Revision Date 04/30/2019

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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



ALUGEL 30 HEP

Version 1.0

Revision Date 04/30/2019

**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 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:**

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

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



**ALUGEL 30 HEP**

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Revision Date 04/30/2019

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