



BAEROLUB L-AS POWDER

Version 1.1

Revision Date 12/13/2023

SECTION 1. IDENTIFICATION

Product identifier

Trade name : **BAEROLUB L-AS POWDER**

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.

Details of the supplier of the safety data sheet

Company : Baerlocher Production USA LLC
5890 Highland Ridge Drive
Cincinnati, OH 45232

Telephone : 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 statement: May form combustible dust concentrations in air.

Other hazards

Dust can form an explosive mixture in air.
Combustible material

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Amide wax

SECTION 4. FIRST AID MEASURES

If inhaled : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If symptoms persist, call a physician.



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| In case of skin contact | : Wash off with soap and water. If skin irritation persists, call a physician. |
| In case of eye contact | : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. If easy to do, remove contact lens, if worn. If symptoms persist, call a physician. |
| If swallowed | : Rinse mouth with water. Do NOT induce vomiting. Get medical advice/ attention if you feel unwell. |
| Most important symptoms and effects, both acute and delayed | : No information available. |
| Notes to physician | : Treat symptomatically. |

SECTION 5. FIREFIGHTING MEASURES

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| Suitable extinguishing media | : Water spray Carbon dioxide (CO ₂) Dry chemical Alcohol-resistant foam |
| 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. |

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. |

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. |
|-------------------------|--|



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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 ³ | OSHA Z-3 |
| | | air 8 h (Respirable fraction) | 5 mg/m ³ | OSHA Z-3 |
| | | air 8 h (inhalable dust) | 10 mg/m ³ | ACGIH |
| | | air 8 h (Respirable fraction) | 3 mg/m ³ | 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 : 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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| Appearance | : powder |
| Color | : off-white |
| Odor | : fat-like |
| Odor Threshold | : No data available |
| pH | : No data available |
| Melting point/range | : 144.35 °C (1,013 hPa) |
| Boiling point/boiling range | : Not applicable |
| Flash point | : ca. 315 °C |
| Evaporation rate | : No data available |
| Flammability (solid, gas) | : Combustible Solids |
| Lower explosion limit | : No data available |
| Vapor pressure | : 0.0000002 hPa (20 °C) |
| Relative vapor density | : No data available |
| Relative density | : No data available |
| Density | : 1.0075 g/cm ³ (23 °C) |
| Bulk density | : No data available |
| Solubility(ies) Water solubility | : insoluble |
| Partition coefficient: n- octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : 260 °C |
| Viscosity Viscosity, dynamic | : Not applicable |
| Viscosity, kinematic | : No data available |

SECTION 10. STABILITY AND REACTIVITY

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| Reactivity | : No dangerous reaction known under conditions of normal use. |
| Chemical stability | : Stable under recommended storage conditions. |



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| Possibility of hazardous reactions | : Combustible material Risk of dust explosion. |
| Conditions to avoid | : Avoid formation and buildup of dust. Keep away from heat and sources of ignition. Keep away from direct sunlight. Avoid moisture. |
| Incompatible materials | : Strong oxidizing agents |
| Hazardous decomposition products | : No decomposition if used as directed. In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NO _x) |

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (Rat): > 15,380 mg/kg Method: OECD Test Guideline 401 GLP: no Remarks: Based on available data, the classification criteria are not met. |
| Acute inhalation toxicity | : LC50 (Rat): > 6.3 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 | : LD50 (Rabbit): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes Remarks: Based on available data, the classification criteria are not met. |

Skin corrosion/irritation

Product:

Species: Rabbit
Exposure time: 24 h
Method: OECD Test Guideline 404
Result: not irritating
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

Exposure time: 24 h

Method: OECD Test Guideline 405

GLP: no

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

Respiratory or skin sensitisation

Product:

Remarks: Skin sensitisation

Test Type: LLNA

Species: Mouse

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



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

Effects on foetal development : Species: Rat
Application Route: Oral
≥ 1,000 mg/kg
Method: OECD Test Guideline 414
GLP: yes
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: Rat
NOAEL: ≥ 2,500 mg/kg
Application Route: Oral
Exposure time: 104 w
Remarks: Based on available data, the classification criteria are not met.

Aspiration toxicity

Product:

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (*Oryzias latipes*): > 100 mg/l
Exposure time: 96 h



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Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
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 : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD 201
GLP: yes
Remarks: Value referred to the Water accumulated fraction (WAF).

Toxicity to fish (Chronic toxicity) : Remarks: No data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 21 d
Test Type: semi-static test
Method: OECD Test Guideline 211
GLP: yes
Remarks: Value referred to the Water accumulated fraction (WAF).

Toxicity to bacteria : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Test Type: static test
Method: OECD Test Guideline 209
GLP: no

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 : Test Type: aerobic
Concentration: 20 mg/l
Result: Not readily biodegradable.
Biodegradation: 5.5 %
Exposure time: 28 d



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Method: OECD Test Guideline 301B
GLP: yes

Bioaccumulative potential

Product:

Bioaccumulation : Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): < 6.2
Exposure time: 42 d
Concentration: 0.083 mg/l
Method: standardised international/national methodology
GLP: yes
Remarks: Bioaccumulation is unlikely.

Mobility in soil

Product:

Mobility : Remarks: Groundwater contamination is unlikely.

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.

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.

SECTION 14. TRANSPORT INFORMATION

National Regulations

DOT

Not regulated as a dangerous good

International Regulations

IATA-DGR

Not regulated as a dangerous good



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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.

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 |
| IECSC | listed |
| ENCS | listed |
| AICS | listed |
| ECL | listed |
| PICCS | listed |
| NZIoC | 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



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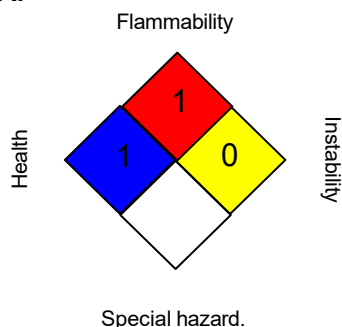
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Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation 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

NFPA:



HMIS III:

| | |
|-----------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

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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