



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

SECTION 1. IDENTIFICATION

Product identifier

Trade name : **BAEROLUB L-MS 90 - US**

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

GHS label elements

Signal word : Warning

Hazard statement: May form combustible dust concentrations in air.

Other hazards

Health injuries are not known or expected under normal use.

Combustible material

Dust can form an explosive mixture in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Glycerine ester of saturated fatty acids.

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
Call a physician if symptoms occur.



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

-
- | | | |
|---|---|--|
| In case of skin contact | : | Wash off with soap and water.
Get medical attention if symptoms occur. |
| In case of eye contact | : | Rinse immediately with plenty of water, also under the eyelids.
If easy to do, remove contact lens, if worn.
Call a physician if symptoms occur. |
| If swallowed | : | Clean mouth with water and drink afterwards plenty of water.
If large quantities of this material are swallowed, call a physician immediately. |
| Most important symptoms and effects, both acute and delayed | : | No information available. |
| Notes to physician | : | Treat symptomatically. |

SECTION 5. FIREFIGHTING MEASURES

- | | | |
|---|---|--|
| Suitable extinguishing media | : | Water spray
Foam
Carbon dioxide (CO ₂)
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. |

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. |

SECTION 7. HANDLING AND STORAGE

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



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

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
dust	Not Assigned	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (total dust)	15 mg/m ³	OSHA Z-3
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
particulates	Not Assigned	TWA (total dust)	15 mg/m ³	OSHA Z-1
		TWA (respirable fraction)	5 mg/m ³	OSHA Z-1
		TWA (Total)	15 mg/m ³	OSHA P0
		TWA (Respirable fraction)	5 mg/m ³	OSHA P0
		TWA (Inhalable particulate matter)	10 mg/m ³	ACGIH
		TWA (Respirable particulate matter)	3 mg/m ³	ACGIH

Engineering measures : Local exhaust

Personal protective equipment

Respiratory protection : P1 filter respirator for inert particles

Hand protection
Directive : Protective gloves complying with EN 374.

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.



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pearls
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)	:	The product is not flammable.
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	:	No data available
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
Particle size	:	No data available



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	This information is not available.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	Combustible material Risk of dust explosion.
Conditions to avoid	:	Avoid dust formation. Keep away from heat and sources of ignition.
Incompatible materials	:	No data available
Hazardous decomposition products	:	No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Ingestion

Acute toxicity

Product:

Acute oral toxicity	:	Remarks: Read-across (Analogy) LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 LD50 (Mouse): > 5,000 mg/kg Method: OECD Test Guideline 401 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	Remarks: Read-across (Analogy) LC50 (Rat): > 1.86 mg/l Exposure time: 6 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: no Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	Remarks: Read-across (Analogy) LD50 (Rat): > 2,000 mg/kg Method: standardised international/national methodology GLP: yes



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Product:

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

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

Serious eye damage/eye irritation

Product:

Remarks: Read-across (Analogy)

Species: Rabbit

Result: No eye irritation

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

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



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

- : Remarks: Read-across (Analogy)
- : Test Type: In vitro gene mutation study in mammalian cells
Species: Chinese hamster ovary cells
Method: OECD Test Guideline 476
Result: negative
- : Remarks: Read-across (Analogy)
- : Test Type: Mutagenicity (in vitro mammalian cytogenetic test)
Species: Chinese hamster ovary cells
Method: OECD Test Guideline 473
Result: negative
GLP: yes
- Genotoxicity in vivo : Remarks: Read-across (Analogy)

Test Type: In vivo micronucleus test
Species: Mouse
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Remarks: Read-across (Analogy)

Test Type: In vivo micronucleus test
Species: Rat
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative
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
Fertility: NOAEL Mating/Fertility: 1,000 mg/kg body weight
Early Embryonic Development: NOAEL: 1,000 mg/kg body weight



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

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

Effects on foetal development

: Remarks: Read-across (Analogy)

Species: Rat

Application Route: Oral

General Toxicity Maternal: NOAEL: 2,200 mg/kg body weight

Developmental Toxicity: NOAEL: > 1,342 mg/kg body weight

Method: OECD Test Guideline 426

GLP: yes

Species: Rabbit

Application Route: Intravenous

General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight

Teratogenicity: > 1,000 mg/kg body weight

Embryo-foetal toxicity: NOAEL: > 1,000 mg/kg body weight

Method: OECD Test Guideline 414

GLP: no

Species: Rat

Application Route: Intravenous

General Toxicity Maternal: NOAEL: 1,000 mg/kg body weight

Teratogenicity: 4,280 mg/kg body weight

Embryo-foetal toxicity: NOAEL: 4,280 mg/kg body weight

Method: OECD Test Guideline 414

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

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

STOT - single exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

STOT - repeated exposure

Product:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

Product:

Remarks: Read-across (Analogy)

Species: Rat
NOAEL: > 5,000 mg/kg
Application Route: Oral
Exposure time: 90 d
Method: OECD Test Guideline 408
GLP: yes

Aspiration toxicity

Product:

Not classified due to lack of data.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish :
Remarks: Read-across (Analogy)
LC0 (Danio rerio (zebra fish)): >= 10,000 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: ISO 7346/1
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates :
Remarks: Read-across (Analogy)
EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: standardised international/national methodology
GLP: yes
Remarks: No toxicity at the limit of solubility



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

Toxicity to algae :
Remarks: Read-across (Analogy)
EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h
Test Type: static test
Method: standardised international/national methodology
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity) : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: Read-across (Analogy)
NOEC (Daphnia magna (Water flea)): 10 mg/l
Exposure time: 21 d
Test Type: semi-static test
Method: OECD Test Guideline 211
GLP: yes
Remarks: No toxicity at the limit of solubility

Toxicity to bacteria : GLP:
Remarks: Read-across (Analogy)
: EC50 (Bacteria): > 0.8 mg/l
Exposure time: 18 h
Test Type: static test
Method: OECD Test Guideline 209
GLP:
Remarks: No toxicity at the limit of solubility

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

Product:

Biodegradability : Remarks: Read-across (Analogy)
Test Type: aerobic
Inoculum: activated sludge
Result: Readily biodegradable.
Biodegradation: 95 %
Exposure time: 28 d
Method: OECD Test Guideline 301D
GLP: yes



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: This substance is not considered to be bioaccumulating.

Mobility in soil

Product:

Mobility : 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.

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

UNRTDG

Not regulated as a dangerous good

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.



BAEROLUB L-MS 90 - US

Version 1.1

Revision Date 12/13/2023

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
ENCS	listed
AICS	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 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;



BAEROLUB L-MS 90 - US

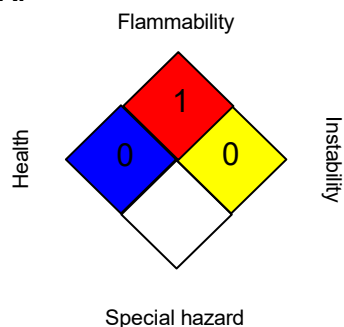
Version 1.1

Revision Date 12/13/2023

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; TECI - 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:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

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

Revision Date : 12/13/2023

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.

US / EN