



BAEROLUB PE POWDER/2

Version 1.0

Revision Date 02/27/2024

SECTION 1. IDENTIFICATION

Product identifier

Trade name : **BAEROLUB PE POWDER/2**

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 statements : May form combustible dust concentrations in air.

Other hazards

Dust can form an explosive mixture in air.

Health injuries are not known or expected under normal use.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical nature : Polyethylene

Substance name : Ethene, homopolymer

CAS-No. : 9002-88-4

SECTION 4. FIRST AID MEASURES



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

SECTION 5. FIREFIGHTING MEASURES

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| Suitable extinguishing media | : | Water spray
Carbon dioxide (CO2)
Dry chemical
Alcohol-resistant foam
Foam |
| Unsuitable extinguishing media | : | High volume water jet |
| Specific hazards during fire-fighting | : | Smoke and fumes, toxic.
Can be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition. |
| 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.
Material can create slippery conditions. |

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
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
		Dust	Not Assigned	TWA (total dust)
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
General limits for air contaminants (PNOC)	Not Assigned			air 8 h (total dust)
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 : P1 filter respirator for inert particles

Hand protection



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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. 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	:	solid
Color	:	white
Odor	:	slight
Odor Threshold	:	No data available
pH	:	No data available
Melting point/range	:	110 - 120 °C
Boiling point/boiling range	:	No data available
Flash point	:	161 °C Method: ASTM E 136
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	:	0.945 - 0.965 g/cm ³
Bulk density	:	No data available
Solubility(ies) Water solubility	:	insoluble



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Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	260 - 316 °C
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Particle size	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	No decomposition if stored normally.
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	:	Oxidizing agents
Hazardous decomposition products	:	Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

Skin corrosion/irritation

Product:

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

Serious eye damage/eye irritation

Product:

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



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Respiratory or skin sensitisation

Product:

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.

Repeated dose toxicity

Product:

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

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

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

No data available

Bioaccumulative potential

No data available

Mobility in soil

Product:

Mobility : Remarks: Groundwater contamination is unlikely.

Other adverse effects

Product:

Results of PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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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.

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.

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:

AICS listed
IECSC listed
DSL listed
ECL listed
ENCS listed



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NZIoC	listed
PICCS	listed
TSCA	listed
REACH	listed
EINECS	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; 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



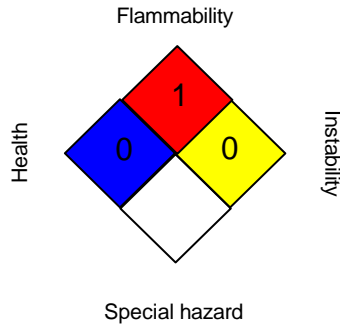
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Further information

NFPA:



HMIS III:

HEALTH	0
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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