



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

SECTION 1. IDENTIFICATION

Product identifier

Trade name : **BAEROSTAB ASM 707/1 - 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
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 45232
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

Eye irritation : Category 2A

Specific target organ toxicity
- repeated exposure (Oral) : Category 2
Combustible dust

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or re-
peated exposure if swallowed.
May form combustible dust concentrations in air.

Precautionary statements : **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

Combustible material.

Dust can form an explosive mixture in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Sodium perchlorate	7601-89-0	< 25*

*Trade Secret - The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
In case of skin contact : Wash off with soap and plenty of water.
In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Call a physician immediately.
If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Call a physician immediately.
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.



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
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 : Remove all sources of ignition.
Avoid dust formation.
Provide adequate ventilation.
Avoid contact with skin and eyes.
For personal protection see section 8.
- 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.
Avoid formation and buildup of dust.
- Conditions for safe storage : Store at room temperature in the original container.
Keep in a dry place.



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

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
Calcium silicate Total Dust	1344-95-2	PEL	15 mg/m ³	OSHA
Respirable fraction		PEL	5 mg/m ³	OSHA
Total Dust		TWA	10 mg/m ³	NIOSH REL
Respirable fraction		TWA	5 mg/m ³	NIOSH REL

Engineering measures : Local exhaust

Personal protective equipment

Respiratory protection : 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 : slight
 Odor Threshold : No data available

 pH : No data available
 Melting point/range : > 100 °C

 Boiling point/boiling range : No data available



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

Flash point	:	>> 100 °C
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

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable at normal ambient temperature and pressure.
Chemical stability	:	No decomposition if stored normally.
Possibility of hazardous reactions	:	Risk of dust explosion.
Conditions to avoid	:	Avoid dust formation. Keep away from heat and sources of ignition.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

Sodium perchlorate:



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

- Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 423
GLP: yes
- Remarks: Classification
Labelling according to EC Directives
Regulation (EC) No 1272/2008, Annex VI, Table 3.1
Acute oral toxicity
Category 4
- Acute dermal toxicity : LD50 (Rat): > 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

Components:

Sodium perchlorate:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: slight irritation
GLP: yes
Remarks: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Components:

Sodium perchlorate:

Species: Rabbit
Result: irritating
Method: OECD Test Guideline 405
GLP: yes

Respiratory or skin sensitisation

Components:

Sodium perchlorate:

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



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

Not classified due to lack of data.

Germ cell mutagenicity

Components:

Sodium perchlorate:

- 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
 - : Test Type: Mutagenicity (in vitro mammalian cytogenetic test)
Species: Human lymphocytes
Method: OECD Test Guideline 473
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.

Components:

Sodium perchlorate:

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

Reproductive toxicity

Components:

Sodium perchlorate:

Effects on fertility :

Remarks: Read-across (Analogy)

Test Type: Two-generation reproductive toxicity
Species: Rat
Application Route: Oral



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

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: Rabbit
Application Route: Oral
Method: OECD Test Guideline 414
GLP: yes
Remarks: Read-across (Analogy)
Species: Rat
Application Route: Oral
Method: OECD Test Guideline 414
GLP: yes
Remarks: Based on available data, the classification criteria are not met.

STOT - single exposure

Components:

Sodium perchlorate:

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

Repeated dose toxicity

Components:

Sodium perchlorate:

Remarks: Read-across (Analogy)

Species: Rat

Application Route: Oral

Method: OECD Test Guideline 408

GLP: yes

Target Organs: May cause damage to organs through prolonged or repeated exposure., Hypo-function of thyroid gland

Aspiration toxicity

Components:

Sodium perchlorate:

Not classified due to lack of data.



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Sodium perchlorate:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1,000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): > 435.7 mg/l
Exposure time: 72 h
Test Type: Growth inhibition
Method: OECD Test Guideline 201
GLP: yes
- Toxicity to fish (Chronic toxicity) : Remarks: Read-across (Analogy)

NOEC (Danio rerio (zebra fish)): 12 mg/l
Exposure time: 84 d
Test Type: semi-static test
Method: OECD Test Guideline 215
GLP: no
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (water flea)): 12 mg/l
Exposure time: 7 d
Test Type: semi-static test
Method: standardised international/national methodology
GLP: no
- Toxicity to bacteria : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Test Type: static test
Method: ISO 8192
GLP: no

Persistence and degradability

Components:

Sodium perchlorate:

- Biodegradability : anaerobic
Inoculum: Sediment



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

Result: Biodegradable
Exposure time: 60 d
GLP: no

Bioaccumulative potential

Components:

Sodium perchlorate:

Bioaccumulation : Species: Danio rerio (zebra fish)
Bioconcentration factor (BCF): 0.06 - 0.14
Exposure time: 90 d
Method: OECD Test Guideline 305
GLP: no
Remarks: Bioaccumulation is unlikely.

Mobility in soil

Components:

Sodium perchlorate:

Mobility : Remarks: No data available

Other adverse effects

Components:

Sodium perchlorate:

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



BAEROSTAB ASM 707/1 - US

Version 1.1

Revision Date 03/19/2021

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:

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

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 Dan-



BAEROSTAB ASM 707/1 - US

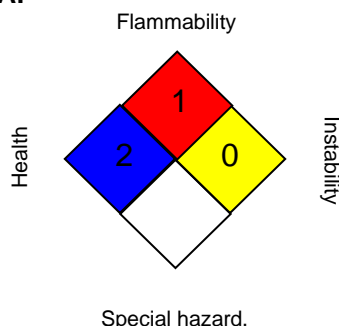
Version 1.1

Revision Date 03/19/2021

gerous 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

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	0

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

Revision Date : 03/19/2021

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