

BAQUACIL LINE CLEAN

Version 1.0

SDS Number: 00000022078

Revision Date: 2018.06.06

SECTION 1. IDENTIFICATION

Product name : BAQUACIL LINE CLEAN

Product code : 00000022078

Manufacturer or supplier's detailsCompany : Arch Chemicals, Inc.
1200 Bluegrass Lakes Parkway
Alpharetta, GA
30004
United States of America (USA)

E-mail address : sds@lonza.com

Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,
CHEMTREC WORLD-WIDE: +1-703-527-3887.**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1B

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.Precautionary statements : **Prevention:**
P260 Do not breathe dust or mist.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/
face protection.
Response:
P301 + P312 + P330 IF SWALLOWED: Call a POISON
CENTER/doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT
induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately
all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air
and keep comfortable for breathing. Immediately call a POISON

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CENTER/doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P363 Wash contaminated clothing before reuse.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Potassium peroxymonosulfate/Potassium sulfate/Potassium hydrogen sulfate (2:1:1)	70693-62-8	86.00 - 96.00
Dipotassium peroxodisulphate	7727-21-1	0.00 - 5.00
tetra[carbonato(2-)]dihydroxypentamagnesium	7760-50-1	1.00 - 2.00

SECTION 4. FIRST AID MEASURES

If inhaled : IF INHALED: Remove individual to fresh air.
Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
If not breathing, give artificial respiration.
Call for medical assistance.

In case of skin contact : IF ON SKIN: Immediately flush skin with plenty of water for 15 minutes. If clothing comes in contact with the product, the clothing should be removed immediately and laundered before re-use.
Seek medical attention.

In case of eye contact : IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention immediately.

If swallowed : IF SWALLOWED: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water only.

Specific hazards during firefighting : Material will not ignite or burn.
Will release oxygen when heated, intensifying a fire

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Further information : In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8.
Use water to cool containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.

Environmental precautions

General advice : Try to prevent the material from entering drains or water courses.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.
Avoid dust formation.
After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not take internally. Avoid contact with skin, eyes and clothing.
Upon contact with skin or eyes, wash off with water.
Avoid inhalation of dust and fumes.

Conditions for safe storage : Store in a cool dry ventilated location, away from sources of ignition or other incompatible conditions and chemicals. Keep container(s) closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dipotassium peroxodisulphate	7727-21-1	TWA	0.1 mg/m ³ (as persulfate)	ACGIH
		TWA	0.1 mg/m ³ (as persulfate)	CAD ON OEL

Hazardous components without workplace control parameters

Components	CAS-No.
Potassium peroxymonosulfate/Potassium sulfate/Potassium hydrogen sulfate (2:1:1)	70693-62-8

Appropriate engineering controls

Engineering measures : Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Personal protective equipment

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Respiratory protection	:	Wear a NIOSH approved respirator if levels above the exposure limits are possible.
Hand protection	:	
Remarks	:	Wear impervious gloves to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.
Eye protection	:	Use chemical goggles.
Skin and body protection	:	Neoprene
Protective measures	:	An eye wash and safety shower should be provided in the immediate work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Colour	:	white
Odour	:	none
Odour Threshold	:	no data available
pH	:	1.4, 10 %
Melting point/freezing point	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	no data available
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Product is not known to be flammable, combustible, pyrophoric or explosive.
Upper explosion limit	:	Not applicable
Lower explosion limit	:	Not applicable
Vapour pressure	:	Not applicable
Relative vapour density	:	no data available
Relative density	:	1.1000 - 1.4000
Density	:	no data available
Solubility(ies) Water solubility	:	25.6 g/l (20 °C)

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Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	no data available
Decomposition temperature	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Oxidizing properties	:	no data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Sparks, open flame, other ignition sources, and elevated temperatures. Contact with incompatible substances
Incompatible materials	:	Oxidizing agents Halides Cyanides Heavy metals such as cobalt, nickel, copper, or manganese
Hazardous decomposition products	:	Decomposes when heated or dampened, releasing oxygen and heat Oxides of sulfur

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation, skin, eyes, ingestion
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Acute toxicity

Acute oral toxicity (LD50)	:	500 mg/kg Species: Rat
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Acute inhalation toxicity (LC50)	:	> 5 mg/l Species: Rat
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Acute dermal toxicity (LD50)	:	> 2,000 mg/kg Species: Rat
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Skin corrosion/irritation

Skin irritation	:	Remarks: Corrosive to skin
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Serious eye damage/eye irritation

Eye irritation	:	Remarks: Corrosive to eyes
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Respiratory or skin sensitisation

Sensitisation	:	Remarks: May cause sensitisation by inhalation and skin contact. Did not cause sensitisation on laboratory animals.
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Carcinogenicity**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Further information

Remarks: no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxicity to fish (LC50) : = 53 mg/l
Species: Oncorhynchus mykiss (rainbow trout)
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (EC50) : = 3.5 mg/l
Species: Daphnia magna (Water flea)
Exposure time: 48 h

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : Moderately toxic to fish and other aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : If this product becomes a waste, it will be a nonhazardous waste.

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As a nonhazardous solid waste it should be disposed of in accordance with local, state and federal regulations.

SECTION 14. TRANSPORT INFORMATION**IATA**

UN number : 3260
Proper shipping name : Corrosive solid, acidic, inorganic, n.o.s.
(Potassium hydrogenperoxomonosulphate)
Transport hazard class : 8
Packing group : II
Labels : 8
Environmental hazards : no

IMDG

UN number : 3260
Proper shipping name : Corrosive solid, acidic, inorganic, n.o.s.
(Potassium hydrogenperoxomonosulphate)
Transport hazard class : 8
Packing group : II
Labels : 8
EmS Number 1 : F-A
EmS Number 2 : S-B
Environmental hazards : Marine pollutant: no

ADR

UN number : 3260
Proper shipping name : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Potassium hydrogenperoxomonosulphate)
Transport hazard class : 8
Packing group : II
Classification Code : C2
Hazard Identification Number : 80
Labels : 8
Environmental hazards : no

RID

UN number : 3260
Proper shipping name : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Potassium hydrogenperoxomonosulphate)
Transport hazard class : 8
Packing group : II
Classification Code : C2
Hazard Identification Number : 80
Labels : 8
Environmental hazards : no

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DOT

UN number : 3260
Proper shipping name : Corrosive solid, acidic, inorganic, n.o.s.
(Potassium hydrogenperoxomonosulphate)
Transport hazard class : 8
Packing group : II
Labels : 8
Emergency Response Guidebook : 154
Number
Environmental hazards : no

TDG

UN number : 3260
Proper shipping name : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Potassium hydrogenperoxomonosulphate)
Transport hazard class : 8
Packing group : II
Labels : 8
Environmental hazards : no

Special precautions for user : none

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15. REGULATORY INFORMATION**TSCA list**

US. Toxic Substances Control Act : Listed

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

See above: SECTION 2. Hazard Identification-GHS Classification

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations**Massachusetts Right To Know**

Components	CAS-No.
Dipotassium peroxodisulphate	7727-21-1

Pennsylvania Right To Know

Components	CAS-No.
Potassium peroxymonosulfate/Potassium sulfate/Potassium hydrogen sulfate (2:1:1)	70693-62-8
Dipotassium peroxodisulphate	7727-21-1

New Jersey Right To Know

Components	CAS-No.
Potassium peroxymonosulfate/Potassium sulfate/Potassium hydrogen sulfate (2:1:1)	70693-62-8
Dipotassium peroxodisulphate	7727-21-1
tetra[carbonato(2-)]dihydroxypentamagnesium	7760-50-1

New York City Hazardous Substances

No components listed on the New York City Hazardous Substances List

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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SECTION 16. OTHER INFORMATION

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Arch is a wholly-owned subsidiary of Lonza and continues to operate as Arch Chemicals, Inc.

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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.