

Getinge XEN

Chamber Shine

SECTION 1: Identification of the substance/mixture and company

1.1 Product identifier

Catalog No: 6036005001
Name: Chamber Shine

1.2 Product uses

Foam based cleaner for removal of scale and mineral deposits from internal stainless-steel surfaces of automated washer chambers and sterilizers.

1.3 Supplier

Details of the supplier of the Safety Data Sheet.

Manufacturer:
Quadralene Limited
Unit 3
St. Modwen Park
Andressey Way
Derby
DE21 6YH
UNITED KINGDOM
Phone: +44 (0)1332 292500
Web: www.getinge.com
E-mail: info@getinge.com

Supplier:
Getinge USA Sales, LLC
1 Geoffrey Way
Wayne, NJ 07470-2094
USA
Phone: 1-800-521-6224

1.4 Emergency telephone number

For emergency event of spillage, inhalation or ingestion of products, please contact the emergency hotline:

US and Canada: +1 215 207 0061 (English, Spanish and French)

SECTION 2: Hazards identification (undiluted product)

2.1 Classification of the substance or mixture

Health hazards:	Not classified
Physical hazards:	Not classified
Environmental hazards:	Not classified

2.2 Label elements

None required

2.3 Other hazards

None identified

SECTION 3: Composition/information on ingredients

Material	CAS number	Level	EC No (where available)	EU REACH reg. no. (where available)	Hazards (see section 16)
-	-	-	-	-	No hazardous ingredients at reporting threshold.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact:	Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
Skin contact:	Remove contaminated clothing, wash skin with water and seek medical attention immediately.
Inhalation:	If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.
Ingestion:	Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.
First aider PPE:	As required to prevent contact. See section 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Eye hazard:	May cause severe irritation and damage..
Skin hazard:	Will cause severe irritation and damage.
Respiratory hazard:	Breathing spray mist may cause irritation.
Other hazards:	-

4.3 Indication of any immediate medical attention and special treatment needed

No special treatment or attention required additional to section 4.2.

SECTION 5: Fire fighting measures

Flammability hazard: Not combustible.

5.1 Extinguishing media

No special requirements. As appropriate for the fire.

5.2 Special hazards arising from the substance or mixture

No specific hazards arising from the mixture.

5.3 Advice for firefighters

No special measures arising from the mixture.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use personal protective equipment as detailed in section 8.

Spillage may make floors slippery. Keep the area clear. Observe regulations.

6.2 Environmental precautions

Prevent spills from entering water courses.

6.3 Methods and material for containment and cleaning up

Small quantities, flush to foul sewer with a large quantity of water.

Large quantities, contain and absorb or pump into suitable containers for disposal.

6.4 Reference to other sections

Observe the advice given in sections 8 and 13.

SECTION 7: Handling and storage

Shelf life: 24 months in original sealed containers.

7.1 Precautions for safe handling

Do not mix with other products. Observe good industrial hygiene.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place protected from frost and away from alkalis and strong oxidizing agents. Store upright in original containers. Recommended storage temperature 41-77°F (5-25°C).

7.3 Product uses

Refer to equipment manufacturer's instructions before use.

Use on internal washer chambers: Apply product to surface, allow to soak for up to 30 minutes. If necessary, brush with a non-abrasive, acid-resistant brush. Rinse well with water and/or wet cloth. Repeat cleaning if required. When finished cleaning, run an empty wash cycle.

Use on internal sterilizer/autoclave chambers: Avoid product entering drain area. Apply product to surface, allow to soak for up to 30 minutes. If necessary, brush with a non-abrasive, acid-resistant brush. Rinse well with water using a wet cloth. Repeat cleaning if required. Do not apply product to hot surfaces or acid sensitive materials.

Do not mix with other chemicals.

For professional use only

SECTION 8: Exposure controls and personal protection

8.1 Control parameters

Workplace exposure limits

Phosphoric acid

OSHA PEL	OSHA PEL	1 mg/m ³
NIOSH	NIOSH REL TWA	1 mg/m ³
NIOSH	NIOSH REL STEL	3 mg/m ³
Cal/OSHA	8-hour TWA STEL	3 mg/m ³
ACGIH	TLV-TWA	1 mg/m ³
ACGIH	TLV-STEL	3 mg/m ³

Nitric acid

OSHA PEL	OSHA PEL	2 ppm
NIOSH	NIOSH REL TWA	2 ppm
NIOSH	NIOSH REL STEL	4 ppm
Cal/OSHA	8-hour TWA STEL	4 ppm
ACGIH	TLV-TWA	2 ppm
ACGIH	TLV-STEL	4 ppm

8.2 Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection:	Wear eye protection appropriate to the process according to BS EN 166.
Hand protection:	Wear impervious gloves. Exact choice of glove depends on specific risk assessments.
Body protection:	As necessary to prevent contact.
Respiratory protection:	Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.
Other protection:	-
Personal protective equipment:	Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.



Environmental protection:	Prevent mixture from entering water courses.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Color:	Colorless
Odor:	Acidic
Melting point/freezing point:	N/A
pH:	1.0 as supplied (typical)
Flammability:	N/A
Initial boiling point:	212°F (100°C)
Flash point:	Not applicable
Auto-ignition temperature:	None
Viscosity:	Slightly viscous liquid
Explosive properties:	None
Lower upper explosive limits:	N/A
Oxidizing properties:	None
Vapor pressure:	None known
Solubility:	Miscible with water
Relative density at 268°F (20°C) (typical):	1.023
Relative vapor density:	No data

9.2 Other information

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SECTION 10: Stability and reactivity

10.1 Reactivity

Incompatible with strong oxidizing agents and alkalis.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are expected to occur.

10.4 Conditions to avoid

Extremes of temperature.

10.5 Incompatible materials

Incompatible with strong oxidizing agents and alkalis.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Does not contain any ingredients classified as mutagenic.
Carcinogenicity:	Does not contain any ingredients classified as carcinogenic.
Reproductive toxicity:	Does not contain any ingredients classified as toxic for reproduction.
STOT single exposure:	Does not contain any ingredients classified as STOT SE.
STOT repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration toxicity:	Does not contain any ingredients classified as Asp Tox.

Routes of exposure/symptoms

Eye contact:	May cause severe irritation and damage.
Skin contact:	Will cause severe irritation and damage.
Inhalation:	Breathing spray mist may cause irritation.
Ingestion:	Moderate toxicity, will cause irritation and damage to gastro-intestinal tract due to acidity.

11.2 Information on other hazards

No data.

SECTION 12: Ecological information

12.1 Toxicity

May affect aquatic organisms due to low pH if released into water courses untreated.

12.2 Persistence and degradability

All organic ingredients are biodegradable when well diluted.

12.3 Bioaccumulative potential

Not expected to bioaccumulate.

12.4 Mobility in soil

This product has high water solubility.

12.5 Results of PBT and vPvB assessment

Contains no ingredients classified as PBT or vPvB.

12.6 Endocrine disrupting properties

No known endocrine disrupting properties.

12.7 Other adverse effects

No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Process effluent can normally be discharged to foul sewer (subject to consent limits).

Dispose of surplus product and packaging via a licensed chemical waste contractor.

Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

SECTION 14: Transport information

14.1 UN number

Not classified.

14.2 UN proper shipping name

N/A

14.3 Transport hazard class(es)

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14.4 Packing group

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14.5 Environmental hazards

Not classified as environmentally hazardous for transport.

14.6 Special precautions for user

No specific precautions.

14.7 Maritime transport in bulk according to IMO instruments

Not available for bulk transport.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

All components of this product are listed as "Active" on the Toxic Substances Control Act (TSCA) Inventory or may be otherwise exempt.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

All components of this product are listed as "Active" on the Toxic Substances Control Act (TSCA) Inventory or may be otherwise exempt.

Date of Issue:

2024-01-15

This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.