

Getinge XEN

Instrument Shine

SECTION 1: Identification of the substance/mixture and company

1.1 Product identifier

Catalog No: 6036004501
Name: Instrument Shine

1.2 Product uses

For brightening/destaining/re-passivating instruments or removing scale from the inside of your washer chamber. Use in soaking applications and/or washer-disinfectors, including cart washers.

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:	Eye Dam. 1, Skin Corr. 1B.
Physical hazards:	Met. Corr. 1.
Environmental hazards:	Not classified.

2.2 Label elements

Danger



H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H290	May be corrosive to metals.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+P341	IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a comfortable position for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353	IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower.
P310	Immediately call a poison center or doctor.
P321	For specific treatment refer see section 4 of SDS
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents and container in accordance with local, regional, national, and international regulations.

2.3 Other hazards

Strongly acidic product, use with caution.

SECTION 3: Composition/information on ingredients

Material	CAS number	Level	EC No (where available)	EU REACH reg. no. (where available)	Hazards (see section 16)
Orthophosphoric acid	7664-38-2	30-50%	231-633-2	01-2119485924-24	Skin Corr. 1B, H314
Nitric acid	7697-37-2	1-5%	231-714-2	01-2119487297-23	Skin Corr. 1A, H314

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 hazards:	Causes burns.
Skin hazard:	Causes burns.
Respiratory hazard:	Breathing spray mist will 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. Use extinguishing media appropriate for primary source of fire.

5.2 Special hazards arising from the substance or mixture

May cause toxic fumes in a fire.

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, mop up or use an inert absorbent.

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: 36 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 and instrument/device manufacturer's instructions before use.

For use in automated washers.

For brightening/destaining instruments or removing scale from the inside of your washer chamber.

For manual use.

For Stainless Steel Instruments.

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 a full face visor according to BS EN 166 39B.
Hand protection:	Wear impervious gloves. Exact choice of glove depends on specific risk assessments.
Body protection:	As necessary to prevent contact.
Respiratory protection:	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.
---------------------------	--

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State:	Liquid
Color:	Colorless
Odor:	Mild, characteristic
Melting point/freezing point:	N/A
pH:	<1 as supplied (typical), pH 2 at 5 ml/l (typical)
Flammability:	N/A
Initial boiling point:	>212°F (100°C)
Flash point:	N/A
Auto-ignition temperature:	N/A
Explosive properties:	N/A
Lower upper explosive limits:	N/A
Oxidizing properties:	N/A
Vapor pressure:	No data
Relative density at 268°F (20°C):	1.282 (typical)
Solubility:	Miscible with water
Viscosity:	5.4 cSt (typical)
Relative vapor density:	No data

9.2 Other information

-

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

May produce toxic fumes in fire.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Does not contain any ingredients classified as acutely toxic.
Skin corrosion/irritation:	Product is classified as Skin Corr 1B. See section 2.
Serious eye damage/irritation:	Product is classified as Eye Dam 1. See section 2.
Respiratory or skin sensitization:	Does not contain any ingredients classified as sensitizing.
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:	Does not contain any ingredients classified as STOT RE.
Aspiration toxicity:	Does not contain any ingredients classified as Asp Tox.

Routes of exposure/symptoms

Eye contact:	Causes burns.
Skin contact:	Causes burns.
Inhalation:	Breathing spray mist will cause irritation.
Ingestion:	Calculated acute toxicity (oral) 4000 mg/kg. 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

Not classified as dangerous for the environment. 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

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. Process effluent can normally be discharged to foul sewer (subject to consent limits). May require pH neutralization.

SECTION 14: Transport information

14.1 UN number

3264.

14.2 UN proper shipping name

Corrosive liquid, acidic, inorganic, N.O.S. (orthophosphoric acid)

14.3 Transport hazard class(es)

8

14.4 Packing group

2

14.5 Environmental hazards

This product is not classified as environmentally hazardous.

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:

2024-01-30

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.