

Alkaline Detergent

Instrument Detergent

SECTION 1: Identification of the substance/mixture and company

1.1 Product identifier

Product Code: 0791
Name: Alkaline Detergent

1.2 Product uses

For use in mechanical cleaning equipment, cart washers, instrument washers and washer-disinfectors

1.3 Supplier

Manufacturer

Intercon Chemical Company
1100 Central Industrial Drive
Saint Louis, MO 63110
USA

Distributor

Getinge USA Sales, LLC
1 Geoffrey Way
Wayne, NJ 07470
USA

1.4 Emergency telephone number

Information: 1-800-475-9040
Chemtrec: 1-800-423-9400

SECTION 2: Hazards identification (undiluted product)

2.1 Classification of the substance or mixture

Health hazards:	Skin Corrosion 1 Eye Damage 1 Oral toxicity 4
Physical hazards:	Corrosive to Metals 1
Environmental hazards:	Not classified

2.2 Label elements

Danger



H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
P234	Keep only in original packaging
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protection clothing/eye protection/face protection
P302+P361+P354	IF ON SKIN(or hair): Take off immediately all contaminated clothing. Rinse affected areas with water or shower.
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P316	Get emergency medical help immediately
P321	See SDS for specific treatment
P305+P354+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390	Absorb spillage to prevent material damage
P405	Store locked up
P406	Store in a corrosion resistant container or a container with a resistant inner liner
P501	Dispose of contents/container to an approved waste handling facility in accordance with local/regional/national/international regulation

2.3 Other hazards

None identified

SECTION 3: Composition/information on ingredients

Material	CAS Number	Level	Hazards (See section 16)
Potassium hydroxide	1310-58-3	10-15	Acute toxicity – Oral 3 Skin corrosion 1 Serious eye damage 1 Hazardous to the aquatic environment, acute 3 Hazardous to the environment, long-term 3
Tetra sodium EDTA	64-02-8	2-5	Metal corrosion 1 Eye irritation 2 Acute toxicity – Inhalation 4 Specific Target Organ Toxicity – Respiratory Tract 2

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact:	Immediately rinse with water for several minutes. Remove contacts, if present and easy to do. Continue rinsing.
Skin contact:	Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothing before reuse.
Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Get medical help.
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:	Causes severe eye damage
Skin hazard:	Causes skin corrosion
Respiratory hazard:	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: Water based product. 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 mop up. Neutralize with dilute acid or sodium bicarbonate.
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: 23 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 strong acids. Store upright in original containers. Recommended storage temperature 5–25 °C.

7.3 Product uses

For use in mechanical cleaning equipment, cart washers, instrument washers and washer-disinfectors

SECTION 8: Exposure control and personal protection

8.1 Control parameters

Workplace exposure limits:

Potassium Hydroxide 2mg/m³ OSHA

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 chemical resistant safety glasses or goggles
Hand Protection:	Wear nitrile or neoprene gloves. Exact choice of gloves 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 if necessary
Other protection:	-
Personal protective equipment:	Exact PPE requirements should be determined from a specific risk assessment of the process 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

Appearance:	Colorless liquid
Odor:	Mild
Odor threshold:	NE
pH:	12.5 - 14
Melting point	NE
Initial boiling point:	100 °C
Flash point:	N/A
Evaporation rate:	>1
Flammability:	N/A
Explosive limits:	N/A

Vapor pressure:	17mm Hg
Vapor density:	0.62 g/mL
Relative density at 20 ^o C	1.18 (typical)
Solubility:	100% water soluble
Partition coefficient:	NE
Auto-ignition temperature	NE
Decomposition temperature	NE
Viscosity:	Water thin

9.2 Other information

No other information available

SECTION 10: Stability and reactivity

10.1 Reactivity

Incompatible with strong acids.

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

Extreme temperatures.

10.5 Incompatible materials

Incompatible with strong acids.

10.6 Hazardous decomposition products

No known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Classified as an oral toxic substance. See section two.
Skin corrosion/irritation:	Classified as skin corrosive. See section two.
Serious eye damage/irritation:	Classified as a severe eye damaging chemical. See section two.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT single exposure:	Based on available data, the classification criteria are not met.
STOT repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration toxicity:	Based on available data, the classification criteria are not met.

11.2 Routes of exposure/symptoms

Eye contact:	Causes severe eye damage
Skin contact:	Causes skin corrosion
Inhalation:	May cause irritation
Ingestion:	Harmful if swallowed

SECTION 12: Ecological information

12.1 Toxicity

Not classified as dangerous for the environment. All organic ingredients are biodegradable when well diluted.

12.2 Persistence and degradability

Ingredients are biodegradable

12.3 Bio-accumulative potential

Not expected to bio-accumulate.

12.4 Mobility in soil

This product has high water solubility.

12.5 Results of PBT and vPvB assessment

Not regulated through PBT and vPvB assessment.

12.6 Other adverse effects

No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product is considered corrosive waste (Waste code D002) according to RCRA (40 CFR 261). Dispose of in accordance with applicable local, regional, national, and international regulations. Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

SECTION 14: Transport information

14.1 DoT Information

UN1719

Caustic Alkali Liquid, n.o.s. (Contains Potassium hydroxide)

Transportation hazard class 8

Packing group II

Limited quantity 1.0 L

14.2 IATA Information

UN1719

Caustic Alkali Liquid, n.o.s. (Contains Potassium hydroxide)

Transportation hazard class 8

Packing group II

Excepted quantity 30mL inner container, 300mL outer container

Limited quantity 0.5 L

14.3 IMDG Information

UN1719

Caustic Alkali Liquid, n.o.s. (Contains Potassium hydroxide)

Transportation hazard class 8

Packing group II

Limited quantity 0.5 L

SECTION 15: Regulatory information

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

SARA Title 3: Does not contain reportable chemicals under sections 302, 304, or 313 of Title III of the Superfund amendments and Reauthorization Act of 1986.

CERCLA: Potassium hydroxide, RQ 1000 pounds. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3).

H290

May be corrosive to metals

H301

Toxic if swallowed

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H373	May cause damage to organs through prolonged or repeated exposure (Respiratory tract)
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Date of issue:
October 21, 2021

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.

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