

Arjo Liquids

Flusher Rinse

According to: Regulation (EC) No.1907/2006

Section 1	Identification of the substance/mixture and of the company/undertaking
1.1	Product identifier
	Name: Arjo Liquids Flusher Rinse
1.2	Relevant identified uses of the substance or mixture and uses advised against
	Mild alkaline solution to be used for automated rinsing of human waste containers and system piping to prevent hard water scale build up.
1.3	Details of the supplier of the safety data sheet
	Details of the supplier of the Safety Data Sheet. ArjoHuntleigh AB Hans Michelsensgatan 10 211 20 Malmö, Sweden Phone: +46 (0)10 335 4500 sds.regulatory@arjo.com Web: www.arjo.com
1.4	Emergency telephone number
	For emergency event of spillage, inhalation or ingestion of products, please contact the international emergency hotline: +44 8 08 189 0979 or +1 760 476 3961. Access code 334452.

Section 2 Hazards identification**2.1. Classification of the substance or mixture**

According to (EC) 1272/2008

- 2.1.1. Health hazards: Not classified
- 2.1.2. Physical hazards: Not classified
- 2.1.3. Environmental hazards: Not classified

2.2. Label elements

According to (EC) 1272/2008

- P262 Do not get in eyes, on skin or on clothing
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes.
- P338 Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Store locked up.

2.3. Other hazards

None identified

Section 3 Composition/information on ingredients**3.1 Substances**

Material:	CAS number:	REACH Registration number	Level:	Hazards (See section 16):
NA	NA	NA	NA	NA

3.2 Mixtures



NA

Section 4	First aid measures
4.1.	Description of first aid measures
	<ul style="list-style-type: none"> • 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 soap and water. Seek medical attention if irritation persists. • 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
	<ul style="list-style-type: none"> • Eye hazard: Will cause severe irritation. • Skin hazard: Will cause irritation. • Respiratory hazard: Not a hazard in normal use. Breathing spray mist may cause irritation. • Other hazards: None identified.
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	Firefighting 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
	No specific hazards arising from the mixture. May produce toxic fumes under extreme heating in 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.
6.1.1	For non-emergency personnel
	NA
6.1.2	For emergency responders
	NA
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: 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 acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5–25 °C
7.3	Specific end use(s)
	Dosing range: 0.5–1.5 ml/l depending on water hardness. Steam generator: 1.5–4.5 ml/l depending on water hardness. Check materials compatibility before use. Do not mix with other chemicals.

Section 8	Exposure controls/personal protection
8.1	Control parameters
	Workplace exposure limits: None set
8.2	Exposure controls
	<p>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.</p> <p>Eye protection: Wear eye protection. </p> <p>Hand protection: Wear PVC or latex gloves. Exact choice of glove depends on specific risk assessments. </p> <p>Body protection: As necessary to prevent contact.</p> <p>Respiratory protection: Avoid breathing spray mist, wear a protective mask if necessary. Other protection: Personal protective equipment</p> <p>Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.</p> <p>Environmental protection: Prevent mixture from entering water courses.</p>

Section 9	Physical and chemical properties
9.1	Information on basic physical and chemical properties
	<ul style="list-style-type: none"> • Appearance: Clear orange/red liquid • Odour: Characteristic • pH: 9.7 as supplied (typical). pH 8.8 at 1 ml/l (typical) • Relative density at 20 °C: 1.140 (typical) • Initial boiling point: ≥ 100 °C, Flash point: N/A • Auto-ignition temperature: Not applicable, Viscosity: 17.2 cSt (typical) • Explosive properties: None • Oxidising properties: None known • Vapour pressure: No Data • Solubility: Miscible with water
9.2	Other information
	None
9.2.1	Information with regard to physical hazard classes
	None
9.2.2	Other safety characteristics
	None

Section 10	Stability and reactivity
10.1	Reactivity
	Incompatible with oxidising agents, 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
	Extremes of temperature.
10.5	Incompatible materials
	Incompatible with oxidising agents, acids.
10.6	Hazardous decomposition products
	None known.

Section 11 Toxicological information	
11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
	<ul style="list-style-type: none"> • 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 sensitisation: Does not contain any ingredients classified as sensitising. • 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.
11.2 Information on other hazards	
	<ul style="list-style-type: none"> • Eye contact: Will cause severe irritation and damage. • Skin contact: Will cause irritation. • Inhalation: Not a hazard in normal use. Breathing spray mist may cause irritation. • Ingestion: Calculated acute toxicity (Oral) $4 > 8000$ mg/kg. Will cause irritation to gastrointestinal tract.
11.2.1 Endocrine disrupting properties	
	None
11.2.2 Other information	
	None

Section 12 Ecological information	
12.1 Toxicity	
	Not classified as dangerous for the environment. May affect aquatic organisms due to high 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	
	None
12.7 Other adverse effects	
	No other adverse effects are anticipated.

Section 13 Disposal consideration**13.1 Waste treatment methods**

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

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

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

Section 14 Transport information**14.1 UN number or ID number**

Not Classified

14.2 UN proper shipping name

NA

14.3 Transport hazard class(es)

NA

14.4 Packing group

NA

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**

Contents according to Regulation (EC) No. 648/2004 on detergents:

- Polycarboxylate: 15 - 30 %
- Preservative

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).

WGK 1 schwach wassergefährdend

Date of issue: 2023-06-30

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.