Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II (453/2010) - Europe

Arpax A7

Issue 4T
Revision 29 May 2015

1 Identification of the substance/mixture and of the company undertaking

1.1 Product Identifier

Product Name	Arpax A7
Product Codes	1011

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses of the substance/mixture	Surface cleaner/disinfectant. Spray and rinse manual process. Professional Use.
Uses advised against	Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

Manufacturer/Distributor	RP Adam Ltd (Arpal Group) North Riverside Business Park, Riverside Road, Selkirk, TD7 5DU United Kingdom	Tel. Fax. email	+44 (0) 1750 23780 +44 (0) 1750 21506 salesinfo@rpadam.co.uk

1.4 Emergency Telephone Number

National Advisory Body/Poison Centre	
Tel.	National Poison Information Service 0870 243 2241 (UK Only) (0870 600 6266 Medical Professionals Only – UK Only)
Manufacturer/ Distributor/ Importer	
Telephone number:	+ 44 (0)1750 21586

2 Hazards Identification

2.1 Classification of Substance or mixture

Product Definition	Mixture	

Classification according to Directive 1999/45/EC [DPD]

Classification	Xi	Irritant
Human Health Hazards	R38	Irritating to skin.
	R41	Risk of serious damage to eyes.

Classification according to Regulation (EC) No. 1272/2008

Physical Hazards	Metal Corr 1 – H290
Human Health Hazards	Skin Irrit 2 – H315
	Eye Dam 1 – H318
Environmental Hazards	Aqua Acute 1 - H400

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2.2 Label Elements

Label Elements (Label In Accordance with Directive 1999/45/EC [DPD])

Hazard Symbol(s)



Indication of danger		IRRITANT	
Risk Phrases		R38	Irritating to skin
		R41	Risk of serious damage to eyes
Safety Phrases		S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
		S37/39	Wear suitable gloves and eye/face protection

Label Elements (Label In Accordance With (EC) No. 1272/2008)

Pictogram(s)



Signal Word		Danger	
		Contains	Potassium hydroxide, Didecyldimethylammonium chloride and Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides
Hazard Statements		H290	May be corrosive to metals
		H318	Causes serious eye damage
		H315	Causes skin irritation
		H400	Very toxic to aquatic life
Precautionary statements	Prevention	P280	Wear protective gloves and eye protection
	Response	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P310	Immediately call a POISON CENTRE or doctor
		H302 + H352	IF ON SKIN: Wash with plenty of soap and water.
		P332 + P313	If skin irritation occurs: Get medical advice/attention
		P390	Absorb spillage to prevent material damage

2.3 Other hazards

Other hazards which do not result in classification Not applicable

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3 Composition/Information on Ingredients

3.2 Mixtures

Product/Ingredient Name	Identifiers Reach No/CAS/EC No	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	01-2119490061-47/ 308062-28-4/ 931-292-6	5-15	Xn; R22 Xi; R38 R41 N; R50	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Damage 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	1
Trisodium nitrilotriacetate	01-2119519239-36/ 5064-31-3/ 225-768-6	1-5%	Xn; R22, R36, R40	Carc 2 (H351) Acute Tox. 4 (H302) Eye Irrit. 2 (H319)	1
Potassium Hydroxide	01-2119487136-33/ 1310-58-3 / 215-181-3	1-5	C; R35, R22	Skin Corr. 1A (H314) Acute Tox. 4 (H302)	1, 2
Didecyldimethylammonium chloride	01-2119945987-15/ 7173-51-5/ 230-525-2	1-5%	C: R22, R34 N: R50	Skin Corr. 1B (H314) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

Type
1 Substance classified with a health or environmental hazard
2 Substance with a workplace exposure limit
3 Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
4 Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

4 First aid measures

4.1 Description of first aid measures

Eye Contact	Rinse immediately with copious amounts of water for at least 10 minutes, holding the eyelids open. If irritation occurs obtain medical advice.
Inhalation	Remove from source of exposure. Seek medical advice if symptoms persist. Exposure by inhalation in unlikely in normal use.
Skin Contact	Flush contaminated area with running water for 10 minutes, remove any contaminated clothing and launder before re-use. If irritation persists or there is any sign of skin damage seek medical advice.
Ingestion	If conscious, remove product from mouth, give casualty a small quantity of water or milk to drink and seek medical advice. Do not induce vomiting
Protection of First Aider	Wear PPE if appropriate (Refer to section 8.2)

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Severe burns and irritation are most likely symptoms when there is exposure to skin, eyes and respiratory system. Not considered to cause sensitization. Further important symptoms and effects are so far not known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat according to symptoms (decontamination, vital functions). Toxicological information on components, where available, in given in section 11.

5 Fire fighting measures

5.1 Extinguishing media

Extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog
Unsuitable extinguishing media	None known

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products	During fire toxic gases, CO and CO_2 are formed

5.3 Advice for fire-fighters

Special precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	Fire-fighters should wear self-contained breathing apparatus and suitable personal protective equipment as appropriate to the surrounding fire.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray/mist. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Contain contaminated water/fire fighting water.

6.3 Methods and material for containment and cleaning up

Small spill:	Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
Large spill	Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. dry sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 **Reference to other sections**

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7 Handling and storage

7.1 Precautions for safe handling

Keep container tightly closed. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with the skin, eyes and clothing. Contaminated surfaces may be extremely slippery. Clean up spillages. Do not allow to dry. Do not eat, drink or smoke in area where material is used or stored.

7.2 Conditions for safe storage, including any incompatibilities

Protect against heat. Store in original labelled containers. Keep container tightly closed, upright and in a cool place. Keep away from acids. Protect from freezing.

7.3 Specific end use(s)

Recommendations	Not specific advice available.
Industrial sector specific solutions	Not applicable.

8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	**Exposure limit values**
Potassium hydroxide	EH40 (United Kingdom): STEL: 2mg/m^3 (15 minutes)

Derived effect levels
No DNELs available for the mixture

Predicted effect concentrations
No PNECs available for the mixture.

8.2 Exposure controls

Process conditions	Provide eye-wash stations
Engineering Measures	The concentrated product is intended to be used via a dispenser to avoid splashes and contact with the skin. Wear appropriate PPE if contact is possible when changing flasks. If airborne vapours or mists are generated provide adequate general and local exhaust ventilation to keep exposure below any statutory limits.

Personal Protective Equipment

Respiratory protection:	Not needed in normal use.
Hand protection	Wear chemical resistant protective gloves (EN 374) Review condition of gloves when in use, especially for wear, cuts and breakthrough after prolonged contact.
Eye protection	Tightly fitting safety goggles (splash goggles) (e.g. EN 166)
Body protection:	Not needed in normal use.

General safety and hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

9 Physical & chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Clear, Yellow liquid
Odour	Product specific.
Odour threshold	Not determined for the mixture.
pH value 20 Deg C	13 (at 100%)
Melting point/Freezing point	Not determined for the mixture.
Initial boiling point and boiling range	Not determined for the mixture.
Flash point	>100 deg C
Evaporation rate	Not determined for the mixture.
Flammability (solid, gas)	Not flammable.
Burning time	Not determined for the mixture.
Burning rate	Not determined for the mixture.
Upper/lower flammability or explosive limits	Not determined for the mixture.
Vapour pressure	Not determined for the mixture.
Relative density	1.01 – 1.03
Solubility(ies)	Readily soluble in cold and hot water
Partition coefficient: n-octanol/water	Not determined for the mixture.
Auto ignition temperature	Not determined for the mixture.
Decomposition temperature	Not determined for the mixture.
Viscocity	Not determined for the mixture.
Explosive properties	Not explosive
Oxidising properties	None

9.2 Other Information

No further relevant information available

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10 Stability and Reactivity

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical Stability	Stable mixture under normal conditions or storage and use.
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur in normal storage conditions.
10.4 Conditions to avoid	None known in normal storage conditions.
10.5 Incompatible materials	Will react with acids.
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicology

11.1 Information on toxicological effects

Toxicological data for this mixture is not available as animal toxicity studies have not been carried out. Toxicological data for the raw materials is, where provided by the manufacturer, available on request.

12 Ecological information

12.1 Toxicity

Ecological Toxicity data for this mixture is not available as ecological toxicity studies have not been carried out. Ecological Toxicity data for the raw materials is, where provided by the manufacturer, available on request.

12.2 Persistence and degradability

Conclusion/Summary	Any surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

12.3 Bioaccumulative potential

Conclusion/Summary	Not determined for the mixture.

12.4 Mobility in soil

Soil/water partition coefficient (KOC)	Not determined for the mixture.
Mobility	Not determined for the mixture.

12.5 Results of PBT and vPvB assessment

PBT	Not applicable.
vPvB	Not applicable.
12.6 Other adverse effects	No known significant effects or critical hazards.

13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products	Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.
	EWC Code 20 01 29* - detergents containing dangerous substances
Empty packaging recommendation:	Dispose of observing national or local regulations. (Can be cleaned with water)
	EWC Code 20 01 39

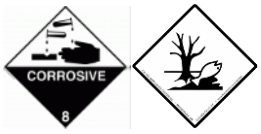
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14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number			UN 3266	
14.2 UN proper shipping name			Corrosive liquid, basic, inorganic, n.o.s. (Contains Potassium Hydroxide)	
14.3 Transport hazard class(es):				
14.4 Packing group			III	
14.5 Environmental hazards			Yes	
14.6 Special precautions for user			None Known	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode			Not Applicable	

Other relevant information (ADR)

Hazard ID 80 Tunnel Code €

Normally shipped as Limited Quantity

15: Regulatory information

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

Ingredients according to EC Detergents Regulation 648/2004

5-15%	Nonionic surfactants
<5%	Disinfectants NTA (nitriloacetic acid) and salts

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

Reason for revision: Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

Full text of the R, H and EUH phrases mentioned in section 3

R22	Harmful if swallowed
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organism
R36	Irritating to eyes
R40	Limited evidence of a carcinogenic effect
R35	Causes severe burns
R34	Causes burns
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.
H351	Suspected of causing cancer
H319	Causes serious eye irritation
H314	Causes severe skin burns and eye damage

Abbreviations and acronyms

ATE	Acute Toxicity Estimate
CLP	Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
DNEL	Derived No Effect Level
EUH statement	CLP-specific Hazard statement
N/A	Not Applicable
PNEC	Predicted No Effect Concentration
REACH No	REACH registration number, without supplier specific part