

SAFETY DATA SHEET



Product Name:	AL 17	SDS Reference	070
Version No. 1	Revision date	Authorisation date	16-03-2006

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name AL 17
Use(s) Industrial
Company Identification Beacon Water Treatments Limited
Parsons Hall Industrial Estate
High Street Telephone 01933 410066
Irchester `NN29 7AB
Emergency Telephone 01604 505735

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS SOLUTION OF ADDITIVES CONTAINING DYESTUFF

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
NEUTRALISED PHOSPHONO-CARBOXYLIC ACIDS	143238-08-1	410-800-5	Xi: R43 N: R51, 53	15-20%
SULPHAMIC ACID	5329-14-6	226-218-8	Xi: R36/38 R52, 53	2-5%

3. HAZARDS IDENTIFICATION

Physical & Chemical: NOT CLASSIFIED



Health: MAY CAUSE SENSITISATION BY SKIN CONTACT

IRRITANT

Environmental: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4. FIRST AID MEASURES

General information Remove contaminated clothing immediately, to be disposed of or washed before re-use.
Inhalation If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
Skin contact Immediately clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
Eye contact Wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists) consult an eye specialist/ophthalmologist.
Ingestion If product is swallowed, do NOT induce vomiting. Drink plenty of water and if necessary, seek medical advice.

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
Extinguishing media not to be used	Water jet
Special exposure hazards	Decomposition products released in a fire should be considered as probably harmful if inhaled.
Protective equipment	Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust . into tightly closed containers. Label container and dispose of as prescribed.
Environmental considerations	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry and away from incompatible substances. Avoid high temperatures.
Further information	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values available. Comply with good practice for the control of exposure. LTEL (8 hour TWA): ppm mg/m ³ STEL (15 min.): ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. It is recommended that those with a medical history of sensitisation should not handle this product. Wash hands before breaks and after work. Avoid contact with skin and eyes. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (e.g. EN 166) if splashing is likely.
Skin protection	PVC gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Approved respirator if ventilation is insufficient.
Other protection	Protective overall

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Yellow
Odour	Faint
pH	7.5
Boiling pt / range	From 100 °C
Melting pt / range	Not determined.
Flash point	Not applicable °C
Specific gravity	Not determined
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	Not determined.
Water solubility	Miscible

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	> 360°C
Conditions to avoid	.
Material to avoid	According to experience, there are no incompatible substances.
Hazardous reactions	None known
Hazardous decomposition products	Oxides of phosphorus and carbon

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral) > 5000 mg/kg Data for the phosphono-carboxylic acids LD ₅₀ rat (derm) > 2000 mg/kg Data for the phosphono-carboxylic acids
Dermal compatibility	Minimal irritation (Data for the phosphono-carboxylic acids, OECD 404)
Mucous membrane compatibility	Minimal irritation (Data for the phosphono-carboxylic acids, OECD 405)
Further information	Skin sensitiser (Data for the phosphono-carboxylic acids, Magnusson-Kligman)

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀ fish mg/l No data available.
Degradability	9% (Data for the phosphono-carboxylic acids, OECD 301 C) Log P _{ow} : < 2.98 (Data for the phosphono-carboxylic acids)
Further information	Although the phosphono-carboxylic acids are classified as N: R51, 53, tests on these substances have demonstrated that the fish, daphnia and algae LC ₅₀ values are above 100 mg/l. Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number	Not classified for transport.
IMDG code	
RID / ADR	
Marine pollutant	The product should not be marked as a marine pollutant.

15. REGULATORY INFORMATION

Classification & labelling	The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3.1). Contains neutralised phosphono-carboxylic acids
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IRRITANT

Risk phrases	R43	MAY CAUSE SENSITISATION BY SKIN CONTACT
Safety phrases	S24	AVOID CONTACT WITH SKIN
	S37	WEAR SUITABLE GLOVES

16. OTHER INFORMATION

Further information

Risk phrases referred to in section 2

R36/38:	Irritating to eyes and skin
R43:	May cause sensitisation by skin contact
R51:	Toxic to aquatic organisms.
R52:	Harmful to aquatic organisms.
R53:	May cause long-term adverse effects in the aquatic environment.

Sources of data	Approved Supply List, other suppliers' safety data sheets
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This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.

Data sheet prepared by Rising HS&E Services.