PRODUCT SAFETY DATA SHEET
PRODUCTS: L40 / L41B / L8S / L12B / L30A / L200 / L37

SECTION 1: IDENTIFICATION	
PRODUCT NAME	Marine Safety Light Systems (AgCl / Mg Cells) L40 / L41B / L8S / L12B / L30A / L200 / L37 Mainly used for lifejacket, lifebuoy and specialised submarine escape hatch systems.
MANUFACTURERS NAME	**DANIAMANT LIMITED**
ADDRESS **TELEPHONE NO.** **FAX NO.**	Unit 3, The Admiral Park, Airport Service Road, Portsmouth, Hants. PO3 5RQ UK +44 (0) 23 9267 5100 (Switchboard) +44 (0) 23 9267 5101 (Fax)
EMERGENCY NOS.	**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE EXPOSURE OR ACCIDENT CALL CHEMTREC DAY OR NIGHT:** **00 1 703 527 3887 (SHIPMENT TO AND FROM USA) (CHEMTREC OFFICE)** **800 424 9300 (INTERNAL N.AMERICA MOVEMENTS) (CHEMTREC OFFICE)** **D806 CHEMTREC COMPANY CODE 205617 COMPANY NUMBER**
DESCRIPTION	Silver Chloride / Magnesium plate marine safety light systems are constructed using the two metals in a 'sandwich' wet cell configuration. Fresh or sea water is used as an electrolyte which flows into the plastic case when thin membranes are broken. All are generally supplied with lead and lamp housings. They are designed to be stored for up to five years, and then replaced, if not used. The cells are hermetically sealed. The sea cell is protected from the external environment by a moulded plastic casing. All generally have a lanyard / ripcord must be tugged sharply to activate the cell when in water. In the supplied state the units constitute no definable hazard to health. However, disassembly, abuse or destruction of the cell will expose the contents and the following Health And Safety Hazards.

SECTION 2: INFORMATION OF INGREDIENTS

	HAZARDOUS COMPONENTS:				
	CAS NUMBER	**EC Number**	**% OPTIONAL**	**OSHA/PEL**	**ACGIH TLV 5 TEL**
Silver Chloride	**7783-90-6**	**232-033-3**	**100%**	**N/A**	**N/A**
Magnesium Plate Contains:	**7439-95-4**	**231-104-6**	**>86%**	**N/A**	**N/A**
Aluminium	**7429-90-5**	**231-072-3**	**<7%**	**N/A**	**N/A**
Lead	**7439-22-1**	**231-100-4**	**<5%**	**N/A**	**N/A**
Magnesium	**7439-95-4**	**231-104-6**	**>86%**		
Zinc	**7440-66-6**	**231-175-3**	**<1.5%**	**N/A**	**N/A**
	Reference : Sax's dangerous properties of industrial materials. **NOTE: These products do not contain asbestos.**				

SECTION 3: HAZARD IDENTIFICATION

SILVER CHLORIDE:	A solid, odourless, tasteless silver coloured plate. Not hazardous in supplied state.		
MAGNESIUM:	A solid odourless, silver grey coloured metal plate. Not hazardous in supplied state.		
ROUTES FOR ENTRY:	Both **Silver Chloride** and **Magnesium**		
	Inhalation: Yes	**Skin:** Yes	**Ingestion:** Yes

HEALTH HAZARDS (ACUTE & CHRONIC)	
Carcinogenicity:	None
Signs and Symptoms of Exposure:	None
Medical Conditions:	None
Emergency and First Aid Procedures:	None

SECTION 4: FIRST AID MEASURES

In the unlikely event of the battery becoming damaged the user may come into contact with the above components.

EYES:	Mechanical injury only.
INHALATION:	Magnesium dust may be a problem. Will cause irritation to the upper respiratory tract.
SKIN:	No known effects.
INGESTION:	No known effects.
	Other materials are inert or have low hazard associated with their exposure.

SECTION 5: FIRE FIGHTING MEASURES

In the case where significant quantities of lithium / sulphur dioxide batteries have been involved in a fire, account must be taken of the possibility that flammable gases might be evolved should water come into contact with the magnesium. These gases might include Hydrogen. It is recommended that ventialation should be maximised should this scenario be realised.

Flash Point:	Both materials are NON FLAMMABLE. (Open flame)
Extinguishing Media:	DO NOT USE WATER, FOAM, HALOGENATED GAS OR CARBON DIOXIDE.
Special Fire Fighting Procedures:	Use self-contained breathing apparatus.
Unusual Fire and Explosion Hazards:	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Dispose only via approved landfill site or incineration by an approved source.
Dispose of cell in accordance with local, state, and federal environmental regulations.

SECTION 7: HANDLING AND STORAGE

Handle and store in cool, dry well-ventilated area. Keep out of direct sunlight and away from heat sources. Ensure lanyard / ripcord is not accidentally pulled. Keep in original package / box until installation.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

None known.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Light in a plastic housing, sometimes with an attached lead and lamp.
STABILITY IN WATER	Product is waterproof.
REACTION WITH WATER	Only if damaged. DO NOT USE IF CASE IS DAMAGED.
BOILING POINT	N/A
VAPOUR PRESSURE mm/hg	N/A
VAPOUR DENSITY	N/A
SOLUBILITY IN WATER	Not soluble in water
APPEARANCE & ODOUR	N/A
SPECIFIC GRAVITY	N/A
MELTING POINT	190°C Plastic Case
EVAPORATION POINT	N/A

SECTION 10: STABILITY AND REACTIVITY

HAZARDOUS REACTIONS	Magnesium is flammable when raised to melting point.
HAZARDOUS DECOMPOSITION REACTIONS	Toxic fumes from plastic case if burnt.

SECTION 11: TOXICOLOGICAL INFORMATION

SIGNS & SYMPTOMS	None.
INHALATION	Dust inhalation will cause irritation to upper respiratory tract.
SKIN CONTACT	None.
EYE CONTACT	Mechanical damage only.
INGESTION	None.
MEDICAL CONDITIONS	None.
GENERALLY AGGREVATED BY EXPOSURE.	None.

SECTION 12: ECOLOGICAL INFORMATION	
MAMMALIAN EFFECTS	None known if used / disposed of correctly.
ECO-TOXICITY	None known if used / disposed of correctly.
BIOACCUMULATION POTENTIAL	None known if used / disposed of correctly.
ENVIRONMENTAL FATE	None known if used / disposed of correctly.

SECTION 13: DISPOSAL	
DISPOSAL	Only through a recognised disposer DO NOT ATTEMPT TO DISMANTLE THIS PRODUCT.

SECTION 14: TRANSPORT INFORMATION	
UN Hazard Code	None.
UN Number	None.
UN Name	None.
Packing Group	None.

SECTION 15: REGULATORY INFORMATION	
Classification	Not controlled under ADNR (Europe)
Hazard Symbol	None.
Risk Phrases	This product is not classified according to the EU regulations.

SECTION 16: OTHER INFORMATION	
	N/A

The above information is given based on the present state of our knowledge of this product and is, to the best of our knowledge and belief, accurate at the time of publication. No warranty given, either express or implied, with respect to the accuracy, reliability or completeness of the information contained herein and we will assume no liability resulting from its use. The users must satisfy themselves that the information provided is entirely suitable for their particular use.