

SAFETY DATA SHEET



Product Name: **SUMMERLONG AND WINTERLONG**

SDS Reference 033

Version No. 2

Revision date February 8th 2006

Authorisation date November 27th 2006

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name SUMMERLONG AND WINTERLONG
Use(s) To prevent algae growth in swimming pools
Company Identification PLASTICA LTD
Premier House,
Napier Road, Telephone +44 (0) 1424 857857
St Leonards-on-Sea, East Sussex, TN38 9NY
Emergency Telephone 09062 655005 (24hr)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation ORGANO-COPPER COMPLEX DERIVED FROM COPPER SULPHATE CONTAINING 10G/L COPPER

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
COPPER SULPHATE	7758-98-7	231-847-6	Xn: R22 Xi: 36/38 N: R50,53	2.5-10%

3. HAZARDS IDENTIFICATION

Physical & Chemical:

Health:

ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO HEALTH IF HANDLED IN THE CORRECT MANNER.



Environmental:

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

**DANGEROUS
FOR THE
ENVIRONMENT**

4. FIRST AID MEASURES

Inhalation Remove casualty to fresh air and provide warmth and rest. If necessary, seek medical advice.
Skin contact Clean areas of skin affected with 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 Allow the patient to vomit on his own accord. Give copious water to drink; If necessary, seek medical advice.
Further information

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5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (i.e. Carbon dioxide alcohol or polymer foam. Dry chemical powder.)
Extinguishing media not to be used	None known
Special exposure hazards	May decompose at high temperatures when amines and oxides of Nitrogen may evolve.
Protective equipment	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
Further information	Avoid run-off water entering the drains (e.g. use barriers)

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by n appropriate method. Do not allow to enter surface water courses. Refer to section 13 of SDS for suitable method of disposal.
Environmental considerations	Do not discharge into drains or rivers. Contain the spillage using bunding/barriers. If this occurs, inform the local water authority at once.
Further information	Mark out the contaminated area with signs and prevent access to unauthorised personnel.

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances. Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Avoid formation of sprays or mist.
Storage conditions	Store in a cool, well ventilated area. Keep container tightly closed.
Further information	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values available. LTEL (8 hour TWA): ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area (e.g. local exhaust ventilation).
Personal protection	Observe normal standards for handling chemicals. Avoid eye and skin contact. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (i.e. EN 166 approved)
Skin protection	Wear appropriate clothing to prevent repeated or prolonged skin contact. Ensure safety shower is to hand. Protective gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator (if ventilation is insufficient). Suitable respiratory protection must be available in case of emergency
Other protection	Protective overalls

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Dark blue
Odour	Odourless
pH	7.8-8.2
Boiling pt / range	From 100 °C
Melting pt / range	Not determined. °C
Flash point	Not applicable. °C
Vapour pressure	
Density	1.03 – 1.04 g/cm ³
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	Not determined
Water solubility	Miscible in all proportions
Additional information	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	Excessive cold and heat
Material to avoid	The product is incompatible with chlorinated materials.
Hazardous reactions	Contact with chlorinated materials will release chlorine gas.
Hazardous decomposition products	Chlorine

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	520 mg/kg	Data for copper sulphate
Dermal compatibility	No data available		
Mucous membrane compatibility	No data are available		
Further information	The copper content of this product is below the level requiring classification as Harmful (<25% as CuSO ₄)		

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish	mg/l	No data are available
Degradability	Not available.			

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12. ECOLOGICAL INFORMATION

Further information

Copper sulphate is classified as very toxic to aquatic organisms. Therefore, 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

Do not discharge concentrated material into sewer. When discharging to the sewer diluted material, such as swimming pool water, it is essential to ascertain prior to discharge that the Copper level present is acceptable to the sewage undertaker. Dispose of in accordance with national and local authority regulations.

Contaminated packaging

All residues must be removed from packaging prior to disposal as controlled waste.

14. TRANSPORT INFORMATION

United Nations number

3082

Packaging group

III

IMDG code

9/3082/III

RID / ADR

9, III

ICAO / IATA

9/3082/III

Marine pollutant

The product should not be marked as a marine pollutant.

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ORGANO-COPPER COMPLEX)

Emergency action code

3Z

Further information

15. REGULATORY INFORMATION

Classification & labelling

The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1]



**DANGEROUS
FOR THE
ENVIRONMENT**

Risk phrases

R51/53

TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Safety phrases

S1/2

KEEP LOCKED UP AND OUT OF THE REACH OF CHILDREN.

S29

DO NOT EMPTY INTO DRAINS.

S61

AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS / SAFETY DATA SHEETS.

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16. OTHER INFORMATION

Further information Refer to the Manual Handling Operations Regulations 1992.
Store in accordance with HSE Guidance Note CS17.
Read in conjunction with the Technical Data sheet concerning use of the product.

Sources of data The Approved Supply List, Approved Carriage List and other suppliers' safety data sheets

Date of issue 05-05-2006

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

Risk phrases in section 2

R22: Harmful if swallowed.
R36/38: Irritating to eyes and skin
R50/53: Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

Data sheet prepared by Rising HS&E Services.