

SAFETY DATA SHEET

Product Name:

CLEAR 'N' CLEAN

SDS Reference **040**

Version No. 1

Revision date

Authorisation date November 24th 2011

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name

CLEAR 'N' CLEAN

Use(s)

Agent used in swimming pools

Company Identification

Mineral Supplies International Ltd

Church Lane

Horsted Keynes,

Sussex, RH17 7BA

Telephone +44 (0) 1825 790524

Email

sales@mineralsi.com

2. 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**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS PREPARATION OF ADDITIVES

Chemical name

CAS-No

EINECS/ELINCS

Classification

Concentration

COPPER SULPHATE

7758-98-7

231-847-6

Xn: R22 Xi: 36/38
N: R50,53

5-10%

4. FIRST AID MEASURES

General information

Inhalation

Remove casualty to fresh air and provide warmth and rest. If necessary seek medical advice.

Skin contact

Wash contaminated skin with large quantities of water. If necessary seek medical advice.

Eye contact

Immediately wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice (e.g. an ophthalmologist)

Ingestion

Do NOT induce vomiting. Drink plenty of water and if necessary seek medical advice

Further information

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NOT FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. foam, carbon dioxide, chemical powder)
Extinguishing media not to be used	
Special exposure hazards	The thermal decomposition products released (e.g. oxides of carbon, nitrogen, hydrogen chloride) should be considered toxic if inhaled.
Protective equipment	Wear self-contained breathing apparatus.
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. Take up with absorbent material, e.g. sand, sawdust into a suitable container. Label container and dispose of as prescribed.
Environmental considerations	Do not allow the product to enter ground or waste water. If this occurs, inform the local water authority at once.
Further information	

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.
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
Skin protection	Rubber 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)
Other protection	Protective overalls

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Pale blue
Odour	Faintly citric
pH	Acidic
Boiling pt / range	From 100 °C
Melting pt / range	Not determined. °C
Flash point	Not applicable. °C
Vapour pressure	
Density	Not determined.
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	
Water solubility	Miscible
Additional information	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	None known.
Material to avoid	None known.
Hazardous reactions	Hazardous polymerisation will not occur.
Hazardous decomposition products	None known.

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			

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish	mg/l	No data are available
Degradability	Not available.			
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	In accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations, 1996) or incineration, after consultation with the operator.
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	3082
Packaging group	III
IMDG code	9/3082/III
RID / ADR	9, III
ICAO / IATA	8/3082/III
Marine pollutant	The product should not be marked as a marine pollutant.
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COPPER SULPHATE)
Emergency action code	2X
Further information	The classification is a precautionary measure.

15. REGULATORY INFORMATION

Classification & labelling The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3]



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Risk phrases	R51/53	TOXIC TO AQUATIC ORGANISMS; MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
Safety phrases	S29/56	DO NOT EMPTY INTO DRAINS, DISPOSE OF THIS MATERIAL AND ITS CONTAINER TO HAZARDOUS OR SPECIAL WASTE COLLECTION POINT.
	S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.

16. OTHER INFORMATION**Further information**

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

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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 BZc 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: Very toxic to aquatic organisms

Data sheet prepared by Rising HS&E Services.