SAFETY DATA SHEET

Product Name:	**JOLLY GEL CUBES**	**SDS Reference 045**
Version No. 1	**Revision No.** TWO	**Authorisation date** Oct , 2010

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name **FLOCCULENT GEL BLOCKS—BRANDED AS JOLLY GEL OR AQUAMAR.**

Synonym (s)

Company Identification **Mineral Supplies International Ltd**
Church Lane,
Horsted Keynes **Telephone +44 (0) 1825 790524**
Sussex RH17 7AR England.

Email **info@mineralsi.com**

2. COMPOSITION / INFORMATION ON INGREDIENTS

ACTIVE INGEDIENTS; Polydiallydimethylammonium chloride CAS No: 26062-79-3
Polyacrylamide CAS No: 9003-05-8

CHEMICAL FAMILY A blend of Cationic poly-amine and Non ionic Polyacrylamide
UN No: Not regulated

USE: Coagulant For Water Treatment

3. HAZARDS IDENTIFICATION

Physical & Chemical: NONE KNOWN

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

Environmental: R52/53. HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4. FIRST AID MEASURES

General information This product poses minimal health hazards

Inhalation Not normally a route of exposure

Skin contact Wash with water.

Eye contact Wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice.

Ingestion No special first aid measures necessary. If necessary, seek medical advice.

Further information

5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT IS NON FLAMMABLE
Extinguishing media	To suit local surroundings (e.g. water spray, carbon dioxide, dry chemical powder)
Extinguishing media not to be used	
Special exposure hazards	The thermal decomposition products released should be considered toxic if inhaled. .
Protective equipment	Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Slippery when wet. Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust into a suitable container; dispose of as prescribed.
Environmental considerations	R52/53. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Further information	

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
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
	STEL (15 min.):	ppm	mg/m^3
Engineering controls	Ensure adequate ventilation of working area.		
Personal protection	Observe normal standards for handling chemicals. Avoid eye and skin contact. Wear personal protective equipment appropriate to the task (see below)		
Eye protection	Safety goggles if splashing likely		
Skin protection	Gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)		
Respiratory protection			
Other protection	Protective overall		

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Solid gel form.
Colour	Blue
Odour	None.
pH	Not determined.
Boiling pt / range	100>. °C
Melting pt / range	Not determined.
Flash point	N/A. °C
Auto flammability	°C
Density	Approx. 1.0-1.05 at 20' C
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	
Water solubility	Solubility in water at 20'C complete
Additional information	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	
Material to avoid	According to experience, there are no incompatible substances.
Hazardous reactions	Hazardous polymerisation will not occur. May react exothermically with oxidising agents.
Hazardous decomposition products	Oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD_{50} rat (oral)	5000mg/kg(rat)	mg/kg	No data available
Dermal compatibility	No data available			
Mucous membrane compatibility	No data available			
Further information	Not toxic in normal circumstances.			

12. ECOLOGICAL INFORMATION

Acute toxicity	LC50 /96 hours	10-100 mg/l (OECD203)	LC/48 H	(Daphnia magna)	10-100mg/l (OECD 202)
Degradability	No data are available				

12. ECOLOGICAL INFORMATION

Further information The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Advice on disposal In accordance with national and local authority regulations, e.g. controlled waste.

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 The product is not classified for transport.

Packaging group

IMDG code

RID / ADR

ICAO / IATA

Proper shipping name

Marine pollutant

15. REGULATORY INFORMATION

Classification & labelling In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 2002] the product is not classified.

Risk phrases	R52/53	HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT
Safety phrases	S61	AVOID RELEASE TO THE ENVIRONMENT

16. OTHER INFORMATION

Further information

Sources of data Other suppliers' safety data sheets

Date of issue 13 10 -2010

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 MSI 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.

Data sheet prepared by Rising HS&E Services.