



SAFETY DATA SHEET

FLOCULAN P

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	FLOCULAN P
PRODUCT NO.	FLOC P
SUPPLIER	Lansdowne Aquatec Winstons House Carterton Oxfordshire OX18 3EZ +44 (0)1993 843081 +44 (0)1993 841261 Mark McVeigh regulatory.affairs@lansdowneche micals.com
EMERGENCY TELEPHONE	EMERGENCY INFORMATION OUT OF OFFICE HOURS, PLEASE CONTACT CARECHEM 24: +44 (0)1270 502891 OR +44 (0)1865 407333

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TANNIN AMMONIUM QUATERNARY SALT			10-30%	-

The Full Text for all R-Phrases are Displayed in Section 16

EC No.	285-077-0
CAS-No.	85029-52-3

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Seek medical advice if symptoms persist.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

Can form dust clouds that may explode on contact with flames, heat and oxidisers.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Absorb with sand or other inert absorbent. Sweep up and removed to an approved disposal container. Ventilate area and wash spill site after material pickup is complete.

7 HANDLING AND STORAGE

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2). No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Provide eyewash station and safety shower.

HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Dark brown.		
ODOUR	Tonic, Astringent		
SOLUBILITY	Completely soluble in water		
RELATIVE DENSITY	0.350-0.450 g/cm ³ 23	VOLATILE BY VOL. (%)	4.5-6.5 (100 deg C +/- 5 dec C)
pH-VALUE, CONC.	1.8-2.7		
SOLUTION			

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

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POLYMERISATION DESCRIPTION

Risk of polymerisation when in the presence of aldehydes

MATERIALS TO AVOID

Iron and Iron salts

HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 9.241mg/kg (mus/48hrs)

INHALATION

May be harmful if inhaled.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May be harmful if absorbed through the skin. May cause skin irritation

EYE CONTACT

May cause eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No data on possible environmental effects have been found.

DEGRADABILITY

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

ADR CLASS No transport warning sign required.
Not classified for transportation.

15 REGULATORY INFORMATION

CONTAINS TANNIN AMMONIUM QUATERNARY SALT

RISK PHRASES

NC Not classified.

SAFETY PHRASES

NC Not classified.

16 OTHER INFORMATION

GENERAL INFORMATION

DISCLAIMER: This safety data sheet 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 the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

INFORMATION SOURCES

Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

This is first issue.

REVISION DATE 07-09

FLOCULAN P

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