



1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier **Mighty Pods - Weekly Hot Tub Care**

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: Flocculates contaminants in water.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
 Unit 2, The Park
 Stoke Orchard
 Bishops Cleeve
 Gloucestershire
 GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not applicable

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

Most important adverse effects

Human Health:	See section 11 for toxicological information.
Physical & Chemical Hazards:	See section 9 for toxicological information.
Potential environmental effects:	See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version

Precautionary statements	P101	If medical advice is needed, have product container or label at hand
	P102	Keep out of reach of children
	P103	Read label before use
	P261	Avoid breathing mist
	P280	Wear protective gloves and eye/face protection
	P301+330+331	IF SWALLOWED: rinse mouth. DO NOT induce vomiting.
	P305+351+338:	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
	P302+352:	IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower.

Hazardous components which must be listed on the label not applicable

2.3 Other Hazards No further information

3. Composition/information on ingredients

3.1 Mixture

The product is not classified according to the CLP regulations

4. First Aid measures

4.1 Description of first aid measures

Skin contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Eye contact: Remove contact lenses (when applicable) and flush eyes with water for 15 minutes. Get medical attention if irritation persists.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available give several glasses of milk. Call a physician or poison control center immediately

Inhalation: If exposed to excessive levels of dust, remove to fresh air and get medical attention if cough or other symptoms develop.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Possible skin irritation or rash.

Eye contact: May cause mechanical irritation. Will tend to form film on the surface of the eye causing blurred vision.

Ingestion: While it is not likely to be hazardous by ingestion, it may start dissolving and form a film on mucous membranes.

Inhalation: May aggravate pre-existing respiratory conditions or allergies. It may accumulate on linings of the nose and lungs resulting in dryness & coughing.

4.3 Indication of immediate medical attention and special treatment needed

Treatment Eye bathing equipment should be available

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, CO2 (carbon dioxide), foam or dry chemical

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire Product may ignite at temperatures in excess of 400°F. Depending on moisture content and particle size, airborne dust of Chitosan lactate might explode in the presence of an ignition source. It is comparable to flour and wood dust.

5.3 Advice for fire-fighters

Special protective equipment for fire fighters: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.

Further Information: No information available.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: If outside keep bystanders upwind and away from the danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing see Section 8.

6.2 Environmental precautions

Environmental precautions: AVOID WATER; water will dissolve chitosan lactate forming a thick viscous solution or gelatinous mass.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up The material may be vacuumed or collected for recovery or disposal.

Further information Treat recovered material as described in the section "Disposal considerations"

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands and clothing immediately. Avoid contact with skin, eye and clothing.

7.2 Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment

Advice on protection against fire and explosion: Keep away from oxidizing agents and avoid open flames.

Incompatible materials: Strong Oxidising agents

Further information on storage Store in cool, dry areas and away from incompatible substances

Advice on common storage: No information known.

7.3 Specific end uses

Specific use(s) Flocculates contaminants in water.

8. Exposure control/personal protection**8.1 Control parameters**

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures General ventilation should be sufficient under normal conditions

Personal protective equipment

Respiratory protection Advice: If dust is generated, a dust mask may be needed.

Hand protection Advice: Wear impervious rubber or neoprene gloves

Eye protection Advice: Safety goggles recommended.

Skin and body protection Advice: Wear impervious rubber or neoprene apron.

Environmental exposure controls

General advice: Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form: Powder
 Colour: Off White
 Odour: Not available

pH Not available

Melting point Not available
 Boiling point/boiling range: Not available
 Flash point: Not available
 Flammability (solid, gas) Not available

Vapour pressure: Not available
 Density @ 20°C: 0.22 g/ml
 Water solubility: Not complete

Explosive properties: Not available
 Oxidising properties: Not available

9.2 Other Information

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications

10. Stability and reactivity

10.1 Reactivity Stable under recommended transport or storage conditions

10.2 Chemical stability No decomposition if stored and applied as directed.

10.3 Hazardous reactions Not available

10.4 Conditions to avoid None known

10.5 Incompatible materials
 Materials to avoid Strong oxidizing agents.

10.6 Hazardous decomposition products May form carbon oxides, nitrogen oxides (NOx), zirconium oxides under fire conditions

11. Toxicological Information**11.1 Information on toxicological effects****Toxicity Values**

Route	Species	Test	Value	Units
Oral	Mouse	LD50	>10	mg/kg

Primary Irritant effect:

On the skin: No data available

On the eyes: No data available

Sensitization: No data available**Carcinogenic** No data available**Mutagenic** No data available**12. Ecological Information****12.1 Etoxicity (in water)****Acute Toxicity**

Species	Test	Value	Units
Daphnia	LC50	135	mg / l
Daphnia	LC25	Not calculable	
Fathead Minnows	LC50	22.8	mg / l
Fathead Minnows	LC25	16.9	mg / l
Rainbow Trout	LC50	6.4	mg / l
Rainbow Trout	LC25	4.4	mg / l

Chronic Toxicity

Species	Test	Value	Units
Daphnia	LC50	135	mg / l
Daphnia	LC25	Not calculable	
Fathead Minnows	LC50	22.8	mg / l
Fathead Minnows	LC25	16.9	mg / l
Rainbow Trout	LC50	6.4	mg / l
Rainbow Trout	LC25	4.4	mg / l

12.2 Persistence and degradability**Persistence** No information available**Biogradability** No data available**12.3 Bioaccumulative potential** No data available**12.4 Mobility in soil** No data available**12.5 Results of PBT and PvB** No data available**12.6 Other adverse effects**

Remarks: No data available

13. Disposal Considerations**13.1 Waste treatment methods**

Product:	Disposal together with normal waste is not allowed. Special disposal is required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging:	Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product
European Waste Catalogue No:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Clean up even minor leaks or spills if possible without unnecessary risk
14.6 Special precautions for user	No further information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**

This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No1907/2006

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

Full text of H-statements referred to under sections 2 and 3

Other relevant phrases

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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• Abbreviations and acronyms:

ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

16. Other information

• Abbreviations and acronyms:

- RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
- ICAO: International Civil Aviation Organization
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS European Inventory of Existing Commercial Chemical Substances.
- CAS: Chemicals Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

Revision	Date	By	Amendment
1	28.10.2013	Linda Brueford	Created