

SECTION 1 : Identification of the substance/mixture and of the company/undertaking

- 1.1 Product Identifier**
 Product Name : Pool Water Flocculant
 Datasheet Number : SDS044
 Unique Formula Identifier: 4S30-5010-G006-HCCN
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product category PC37 Water treatment chemicals
 Application of the substance / the mixture Clarifier for swimming pool water.
- 1.3 Details of the supplier of the safety data sheet**
 Name of Supplier Isell Ltd
 Address of Supplier Unit 5 Penrose House
 Treleigh Ind Est
 Redruth
 Telephone TR16 4DE
 E-mail (competent person) info@pure-spa.co.uk
 01326 371482
- 1.4 Emergency Telephone Number**
 Emergency Phone No 0800 043 0891 (Technical) 24 Hours a day
 0800 043 0892 (Emergency)
 Languages Spoken English
- Members of the public seeking specific information on poisons should contact:
 In England and Wales: NHS 111 - dial 111
 In Scotland: NHS 24 - dial 111

SECTION 2 : Hazards Identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008
 The product is not classified, according to the GB CLP regulation
- 2.2 Label elements**
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the GB CLP regulation.
 Hazard Pictograms Void
 Signal Word(s) Void
 Hazard statements Void
- Additional information:** EUH210 Safety data sheet available on request.
- 2.3 Other hazards**
Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3 : Composition/Information on Ingredients

- 3.1 **Chemical characterisation:** Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous Components

Substance	CAS No	EC No	EINECS No	%W/W
Polydiallyldimethylammonium chloride	26062-79-3	607-855-4		2.5-10%

Polydiallyldimethylammonium chloride Aquatic Chronic 3, H412

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4 : First Aid Measures4.1 **Description of first aid measures**

After inhalation: Supply fresh air; consult doctor in case of complaints.
 After skin contact: Immediately rinse with water.
 After eye contact: Check for and remove any contact lenses.
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor
 After swallowing: Rinse out mouth and then drink plenty of water.
 Do not induce vomiting; call for medical help immediately.
 If vomiting occurs spontaneously, keep head below hips to prevent aspiration

Information for doctor: Treat symptomatically and supportively.

- 4.2 **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- 4.3 **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5 : Firefighting Measures

- 5.1 **Extinguishing Media :**
 Suitable Extinguishing Agents: CO₂, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.
 Unsuitable Extinguishing Media: Water with full jet

- 5.2 **Special hazards arising from the substance or mixture :** Formation of toxic gases is possible during heating or in case of fire.

- 5.3 **Advice for Firefighters :** Do not inhale explosion gases or combustion gases.
 Wear self-contained respiratory protective device.
 Wear fully protective suit.

Additional information Cool endangered receptacles with water spray.

SECTION 6 : Accidental Release Measures

- 6.1 **Personal precautions, protective equipment and emergency procedures :** Ensure adequate ventilation.
- 6.2 **Environmental precautions:** Do not allow to penetrate the ground/soil.
Do not allow product to reach sewage system or any water course in the undiluted form.
- 6.3 **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- 6.4 **Reference to other sections** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7 : Handling and Storage

- 7.1 **Precautions for safe handling** Prevent formation of aerosols.
Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:** No special measures required.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- Storage**
- Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground
- Information about storage in one common storage facility:** Store away from oxidising agents.
- Further information about storage conditions:** Protect from frost.
Store in cool, dry conditions in well sealed receptacles
- Storage class:** 12
- 7.3 **Specific end use(s)** No further relevant information available.

SECTION 8 : Exposure Controls/Personal Protection

- 8.1 **Control Parameters**
- Additional information about design of technical facilities:** No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace
- Additional information:** The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment: General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
Do not inhale gases / fumes / aerosols.
Wash hands before breaks and at the end of work.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves :

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection

Goggles recommended during refilling.

Body protection:

Impervious protective clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

SECTION 9 : Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Blue
Odour:	Mild
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	>100 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.

9.1 cont..

Vapour pressure:	Not applicable.
Density at 20 °C:	1.018 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	

9.2 Other Information:

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10 : Stability and Reactivity
--

10.1	Reactivity	No further relevant information available.
10.2	Chemical stability Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications
10.3	Possibility of hazardous reactions:	No dangerous reactions known.
10.4	Conditions to avoid:	No further relevant information available.
10.5	Incompatible materials:	Strong oxidising agents.
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide Nitrogen oxides (NO _x) Hydrogen chloride (HCl)

SECTION 11 : Toxicological Information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12 : Ecological Information

- 12.1 Toxicity**
Aquatic Toxicity: No further relevant information available
- 12.2 Persistence and degradability** The organic portion of the product is biodegradable.
- 12.3 Bioaccumulative potential** Product is not expected to bioaccumulate.
- 12.4 Mobility in soil** No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment**
PBT: Not applicable.
vPvB: Not applicable.
- 12.6 Other adverse effects** No further relevant information available.

SECTION 13 : Disposal Considerations

- 13.1 Waste treatment methods**
Recommendation
Recommended Hierarchy of Controls:
Minimise waste;
Reuse if not contaminated;
Recycle, if possible; or
Safe disposal (if all else fails).
Contact waste processors for recycling information.
Must not be disposed together with household garbage.
Do not allow product to reach sewage system.
Used, degraded or contaminated product may be classified as hazardous waste.
Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.
Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating.
Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Recommended cleansing agents : Water, if necessary together with cleansing agents

SECTION 14 : Transport Information

- 14.1 UN-Number**
ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name**
ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15 : Regulatory Information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 Directive 2012/18/EU
 Named dangerous substances - ANNEX I None of the ingredients is listed.
- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16 : Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H412 Harmful to aquatic life with long lasting effects

Department issuing SDS: Product safety department

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3