

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

- 1.1 Product Identifier**
 Product Name : Relax Pool Shield Liquid Cover
 Datasheet Number : SDS043
 Unique Formula Identifier: 6P30-N0AM-500Q-U0SK
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Application of the substance / the mixture Liquid swimming pool cover.
 Identified Use(s) Uses advised against No Further relevant information available.
- 1.3 Details of the supplier of the safety data sheet**
 Name of Supplier Plastica Ltd
 Address of Supplier Perimeter House, Napier Road
 St Leonards-on-Sea, East Sussex
 TN38 9NY, United Kingdom
 Telephone +44 (0) 1424 857857
 E-mail (competent person) info@plasticapools.net
- 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
- 2.2 Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictograms Void
Signal Word(s) Void
Hazard Statement(s) 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

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

Substance	CAS No	EC No	EINECS No	%W/W
Propane-1,2-diol	57-55-6		200-338-0	<2.5%

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

SECTION 4 : First Aid Measures

- 4.1 **Description of first aid measures**
- General information: No special measures required.
 After inhalation: Supply fresh air; consult doctor in case of complaints.
 After skin contact: Immediately wash with water, soap and rinse thoroughly.
 After eye contact: Check for and remove any contact lenses.
 Rinse opened eye for several minutes under running water.
 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 :** Wear fully protective suit.
 Wear self-contained respiratory protective device.
 Do not inhale explosion gases or combustion gases.

SECTION 6 : Accidental Release Measures

- 6.1 **Personal precautions, protective equipment and emergency procedures :** Ensure adequate ventilation.
Particular danger of slipping on leaked/spilled product.
- 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: No special requirements.

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:
57-55-6 propane-1,2-diol
WEL Long-term value: 474* 10** mg/m³, 150* ppm
* total vapour and particulates ** particulates

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.
 Avoid close or long term contact with the skin.
 Do not eat or drink while working.
 Take note of assigned Workplace Exposure Limits.

Respiratory protection:

Not necessary if room is well ventilated.

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:

Protective work 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:	Fluid
Colour:	Orange
Odour:	Mild
Odour threshold:	Not determined.
pH-value at 20 °C:	5-8
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined
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.
Vapour pressure:	Not determined.

9.1 cont..

Density at 20 °C:	0.97 - 1.1 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:	
VOC (EC)	1.00%

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
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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

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
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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:	
	Not hazardous for water..	
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:	
	Minimize waste;	
	Reuse if not contaminated;	
	Recycle, if possible; or	
	Safe disposal (if all else fails).	
	Contact waste processors for recycling information.	
	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:	Not applicable
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.

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)

VOC: Volatile Organic Compounds (USA,EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative