

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

- 1.1 Product Identifier**
 Product Name : Hot Tub Waterline Cleaner
 Datasheet Number : SDS008
 Unique Formula Identifier: SP00-X05Q-F00D-P2DA
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product category PC35 Washing and cleaning products (including solvent based products)
 Application of the substance / the mixture Liquid cleaner for waterline deposits in spas.
 Identified Use(s) Uses advised against Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).
- 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
 advised against.

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



Eye Dam. 1

H318 Causes serious eye damage



Skin Irrit. 2

H315 Causes skin irritation

- 2.2 **Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictograms GHS05
Signal Word(s) Danger
Hazard-determining components of labelling: Alcohols C9-C11 ethoxylated
disodium metasilicate
Hazard Statement(s) H315 Causes skin irritation.
H318 Causes serious eye damage.
Precautionary statements P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/attention if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
- 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.

Substance	CAS No	EC No	EINECS No	%W/W
Tetrapotassium pyrophosphate	7320-34-5		230-785-7	>2.5-≤10%
Alcohols C9-C11 ethoxylated				>2.5-≤10%
β-Alanine, N-coco alkyl derivs., sodium salts	68608-68-4		271-795-1	≤2.5%
1-Methoxy-2-propanol	107-98-2		203-539-1	≤2.5%
disodium metasilicate	10213-79-3			≤2.5%

3.1 cont..

Tetrapotassium pyrophosphate	Eye Irrit. 2, H319
Alcohols C9-C11 ethoxylated	Eye Dam. 1, H318;
Alcohols C9-C11 ethoxylated	Acute Tox. 4, H302
β -Alanine, N-coco alkyl derivs., sodium salts	Eye Irrit. 2, H319
1-Methoxy-2-propanol	Flam. Liq. 3, H226;
1-Methoxy-2-propanol	STOT SE 3, H336
disodium metasilicate	Skin Corr. 1B, H314;
disodium metasilicate	STOT SE 3, H335

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:	Immediately remove any clothing soiled by the product.
After inhalation:	Supply fresh air; consult doctor in case of complaints.
After skin contact:	Immediately wash with water. If skin irritation continues, consult a doctor.
After eye contact:	Check for and remove any contact lenses. Rinse opened eye for several minutes under running water. Then 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:	CO ₂ , 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 :

During heating or in case of fire poisonous gases are produced.

5.3 Advice for Firefighters :

Wear fully protective suit.
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

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
Wear protective clothing.
Keep unprotected persons away.
- 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.
Handling Do not mix with other products.
Information about fire - and explosion protection: Keep respiratory protective device available.
- 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 a bunded area.
- 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:
107-98-2 1-Methoxy-2-propanol
WEL Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
Sk

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Take note of assigned Workplace Exposure Limits.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.

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
 Tightly sealed goggles.

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:	Light Yellow
Odour:	Mild
Odour threshold:	Not determined.
pH-value at 20 °C:	8-9
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 at 20 °C:	23 hPa

9.1 cont..

Density at 20 °C:	1.053 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:	

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:** Do not mix with other chemical formulations in their concentrated form.
- 10.5 **Incompatible materials:** Strong acids.
Finely powdered metals.
Strong oxidising agents.
- 10.6 **Hazardous decomposition products:** Carbon monoxide and carbon dioxide
Phosphorus oxides (e.g. P₂O₅)

SECTION 11 : Toxicological Information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)	Oral	LD50	16,667 mg/kg
	Inhalative	LC50/4 h	>107 mg/l (rat)

Primary irritant effect:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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.

Container remains hazardous when empty. Continue to observe all precautions.

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

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

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3