



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

- 1.1 Product Identifier**
 Product Name : Leak Sealer
 Datasheet Number : SDS060
 Unique Formula Identifier: E550-802C-D003-3TPP
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Application of the substance / the mixture Concentrated sealing agent for swimming pools.
 Identified Use(s) Uses advised against refer to section 10.
- 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
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- Skin Irrit 2 H315 Causes skin irritation
 Eye Dam 1 H318 Causes serious eye damage
 STOT SE 3 H335 May cause respiratory irritation
- 2.2 Label elements**
 According to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictograms GHS05, GHS07
Signal Word(s) Danger
Hazard Statement(s) H315 Causes skin irritation
 H318 Causes serious eye damage
 H335 May cause respiratory damage

2.2 cont..

Precautionary statements

P261

P305+P351+P338

Avoid breathing dust/fume/gas/mist/vapours/spray

If in eyes: Rinse cautiously with water for several minutes

Remove contact lenses if present and easy to do.

Continue rinsing.

Immediately call a poison centre/doctor.

Take off contaminated clothing and wash before reuse.

Store locked up.

Dispose of contents/container in accordance with

local/regional/national/international regulations.

P310

P362+P364

P405

P501

2.3

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable**vPvB:** No applicable**SECTION 3 : Composition/Information on Ingredients**

3.2

Chemical characterisation:

Mixtures

Description:

An aqueous solution of sodium silicate with multifunctional additives.

Dangerous components

CAS: 1344-09-8

Reg nr:01-2119448725-31-XXXX

Sodium Silicate, Molar ratio 1.6-2.6



Eye Dam 1 H318



Skin Irrit 2 H315

STOT SE 3 H335

25-50%

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, soap and rinse thoroughly.

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:

CO2, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.

5.1 cont..

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.

Additional information :

Cool endangered receptacle with water spray.

SECTION 6 : Accidental Release Measures6.1 **Personal precautions, protective equipment and emergency procedures :**

Particular danger of slipping on leaked/spilled product.
Wear protective equipment.
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:**

Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Ensure adequate ventilation.

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 Storage7.1 **Precautions for Safe Handling**

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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.
Do not store in Aluminium, Copper, Zinc containers.

Information about storage in one common storage facility:

Do not store together with acids.
Store away from metals.
Store away from foodstuffs.

7.2 cont..

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 Protection8.1 **Control Parameters****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.

DNELs		
1344-09-8 Sodium Silicate, Molar ratio 1.6 - 2.6		
Oral	Long-term systemic effects	800 ug/kg bw/day (general population)
Dermal	Long-term systemic effects	0.8 mg/kg bw/day (general population) 1.59 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	1.38 mg/m ³ (general population) 5.61 mg/m ³ (worker)

PNEC's	
1344-09-8 Sodium Silicate, Molar ratio 1.6 - 2.6	
Freshwater	7.5 mg/L
Freshwater - Intermittent releases	7.5 mg/L
Marine water	1 mg/L
Sewage Treatment Plant	348 mg/L

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 or drink while working.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Ensure that eyewash stations and safety showers are close to the workstation location.

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

8.2 cont..

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

Safety glasses with side-shields conforming to EN166.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Body protection:

Alkaline resistant 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:	Fluid
Colour:	Clear
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C.
Flammability (solid, gas):	Not applicability.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable.
Decomposition temperature:	Not determined.
pH-value at 20°C:	11
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solubility	
Water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Vapour pressure at 20°C:	23 hPa
Density and/or relative density	
Density at 20°C:	1.5 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other Information:

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

Appearance

Form: Fluid

9.2 cont..

Important information on protection of health and environment, and on safety.

Ignition temperature:	Product is not self-igniting
Explosive properties:	Product does not present an explosive hazard.
Solvent content:	
VOC (EC)	0.00%
Change in condition	
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	May intensify fire; oxidiser
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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 according to specifications. |
| 10.3 | Possibility of hazardous reactions: | Reacts with metals forming hydrogen.
Reacts with acids. |
| 10.4 | Conditions to avoid: | No further relevant information available. |
| 10.5 | Incompatible materials: | Finely powdered metals.
Strong acids.
Substances specifically listed in section 10.3 as incompatible.
Halogens. |
| 10.6 | Hazardous decomposition products: | Hydrogen |

SECTION 11 : Toxicological Information

11.1 Information on toxicological effects

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

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.

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.

Additional toxicological information:

ROUTES OF EXPOSURE: Can be absorbed into the body by inhalation and by ingestion.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients are listed

SECTION 12 : Ecological Information

12.1 Toxicity

Aquatic Toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

Product is not expected to bioaccumulate.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

This product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

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

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.

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).

13.1 cont..

Must not be disposed together with household waste. Do not allow product to reach sewage system. 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 Not applicable

14.2 **UN proper shipping name**
ADR, ADN, IMDG, IATA Not applicable

14.3 **Transport hazard class(es)**
ADR, ADN, IMDG, IATA
Class Not applicable

14.4 **Packing group**
ADR, IMDG, IATA Not applicable

14.5 **Environmental hazards:** No

14.6 **Special precautions for user:** Not applicable

14.7 **Maritime transport in bulk according to IMHO instruments:** Not applicable

Transport/Additional information: Not dangerous according to the above specifications

UN "Model Regulation": Void

SECTION 15 : Regulatory Information
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15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
Poisons Act

Regulated explosives precursors: None of the ingredients are listed.

Regulated poisons: None of the ingredients are listed.

Reportable explosives precursors: None of the ingredients are listed.

Reportable poisons: None of the ingredients are listed.

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878

Relevant phrases

H315 Causes skin irritation

H318 Causes serious eye damage

H335 May cause respiratory irritation

Training hints

This product should only be handled by workers who have received sufficient training in the safe handling use of chemical products.

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)

DNEL: Derived No-Effect Level (UK Reach)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit 2: Skin corrosion/irritation - Category 2

Eye Dam 1: Serious eye damage/eye irritation - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3