

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

1.1 Product Identifier

Product Name :	Vinyl Polish
Datasheet Number :	SDS025
Unique Formula Identifier:	H420-H0WF-N00S-XV9E

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

Product category	PC31 Polishes and wax blends
Application of the substance / the mixture	Vinyl and acrylic surface polish for hot tubs
Uses advised against	Processes involving extreme heat use 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

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**

Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects
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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 Statement(s)	H412 Harmful to aquatic life with long lasting effects
Precautionary statements	P102 Keep out of reach of children. P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Information

EUH208 Contains Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3 one [EC no. 247- 500-7] and 2- methyl-2H -isothiazol 3-one [EC no. 220-239-6] (3:1).
May produce an allergic reaction.

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
dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride	27668-52-6			≤2.5%
Methanol	67-56-1		200-659-6	≤2.5%
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3 one [EC no. 247-500-7] and 2-methyl-2H -isothiazol 3-one [EC no. 220-239-6] (3:1)	55965-84-9			<0.0015%

dimethyloctadecyl[3-(trimethoxysilyl)propyl]ammonium chloride
 Aquatic Acute 1, H400
 Aquatic Chronic 1, H410
 Skin Irrit. 2, H315;
 Eye Irrit. 2, H319

Methanol
 Flam. Liq. 2, H225;
 Acute Tox. 3, H301;
 Acute Tox. 3, H311;
 Acute Tox. 3, H331;
 STOT SE 1, H370

Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3 one [EC no. 247-500-7] and 2-methyl-2H -isothiazol 3-one [EC no. 220-239-6] (3:1)
 Acute Tox. 3, H301;
 Acute Tox. 2, H310;
 Acute Tox. 2, H330;
 Skin Corr. 1C, H314;
 Eye Dam. 1, H318;
 Aquatic Acute 1, H400 (M=100);
 Aquatic Chronic 1, H410 (M=100);
 Skin Sens. 1A, H317

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:**
- After inhalation: Immediately remove any clothing soiled by the product. Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: If skin irritation continues, consult a doctor. 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 :** 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.

SECTION 6 : Accidental Release Measures

- 6.1 **Personal precautions, protective equipment and emergency procedures :** Particular danger of slipping on leaked/spilled product. 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. Inform respective authorities in case of seepage into water course or sewage system.
- 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** No dangerous substances are released.
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:**
- | | |
|------------------|---|
| 67-56-1 Methanol | |
| WEL | Short-term value: 333 mg/m ³ , 250 ppm |
| | Long-term value: 266 mg/m ³ , 200 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:** The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
- 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

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:

Emulsion

Colour:

Whitish

Odour:

Mild

Odour threshold:

Not determined.

pH-value:

Not Determined

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

Density at 20 °C:

1.002 g/cm³

Relative density

Not determined.

Vapour density

Not determined.

Evaporation rate

Not determined.

Solubility in / Miscibility with water:

Emulsifiable

Partition coefficient: n-octanol/water:

Not determined.

Viscosity:

Dynamic:

Not determined.

Kinematic:

Not determined.

Solvent content:

VOC (EC)

0.15 %

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

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	66,667 mg/kg
	Dermal	LD50	200,000 mg/kg
	Inhalative	LC50/4 h	2,000 mg/l

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.

Ecotoxicological effects:

Remark: Harmful to fish

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.

Harmful to aquatic organisms

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.

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

H225 Highly flammable liquid and vapour. H301 Toxic if swallowed.
 H310 Fatal in contact with skin.
 H311 Toxic in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H330 Fatal if inhaled.
 H331 Toxic if inhaled.
 H370 Causes damage to organs.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 2: Flammable liquids – Category 2
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 2: Acute toxicity – Category 2
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C
 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
 Skin Sens. 1A: Skin sensitisation – Category 1A
 STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Annex: Exposure scenario	
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Product category	PC31 Polishes and wax blends
Description of the activities / processes covered in the Exposure Scenario	See section 1 of the annex to the Safety Data Sheet.
Conditions of use	
Duration and frequency	5 workdays/week.
Physical parameters	
Physical state	Fluid
Concentration of the substance in the mixture	The substance is main component.
Other operational conditions	
Other operational conditions affecting environmental exposure	No special measures required.
Other operational conditions affecting consumer exposure	Not required.
Other operational conditions affecting consumer exposure during the use of the product	Not applicable.
Risk management measures	
Worker protection	
Organisational protective measures	No special measures required.
Technical protective measures	No special measures required.
Personal protective measures	No special measures required. Do not inhale gases / fumes / aerosols.
Measures for consumer protection	No special measures required. Ensure adequate labelling.
Environmental protection measures	
Air	No special measures required.
Water	No special measures required.
Disposal measures	Disposal must be made according to official regulations. Ensure that waste is collected and contained.
Disposal procedures	Dispose of product residues with household waste. Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Waste type	Partially emptied and uncleaned packaging
Exposure estimation	
Consumer	Not relevant for this Exposure Scenario.
Guidance for downstream users	No further relevant information available.