

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

076316137

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

071011477 076318398 076318455 076318463 076318471

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

076203004 076203244 076316111



## 1. Substance / Preparation and Company name

Product Name: Conseal-Clear, Conseal-Light Grey, Conseal F (White)

Recommended use: For the protection of pits and fissures.

### **Manufacturer / Supplier**

SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia

#### **Telephone:**

+61 3 8727 7111 (Business hours)

Southern Dental Industries Ltd  
Block 8, St Johns Court  
Swords Road  
Santry, Dublin 9, Ireland

#### **Telephone:**

+353 1 886 9577 (Business Hours)

SDI Inc.  
729 N.Route 83, Suite 315  
Bensenville 60106 IL, USA

#### **Telephone:**

630 238 8300 (Business hours)

SDI Brasil Indústria e Comércio Ltda  
Rua Dr. Virgílio de Carvalho Pinto, 612  
Pinheiros, São Paulo, 05415-020  
Brasil

#### **Telephone:**

+55 11 3092 7100 (Business Hours)

**Emergency contact number:** +61 3 8727 7111

## 2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
<b>Conseal-Clear</b>		
Acrylic monomer	-	100.0
<b>Conseal-Light Grey</b>		
Acrylic monomer	-	80.0
Balance ingredient (non-hazardous)		20.0
<b>Conseal F (White)</b>		
Acrylic monomer	-	93.0
Balance ingredient (non-hazardous)		7.0



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### 3. Hazard Identification

Products may cause irritation to the skin, eye and mucous membrane. Ingestion of unpolymerised material may cause gastric irritation. In isolated cases, contact allergies have been reported with acrylic resins. Anyone with known history of resin allergies are advised to seek the advice of a specialist before use.

Risk phrases - **36/37/38:** Irritating to eyes, respiratory system and skin.

Safety phrases - **26/28:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with soap and water.

- **3/15/16:** Keep in a cool place, away from heat and sources of ignition.

- **2:** Keep out of reach of children.

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### 4. First Aid Measures

Eye (contact): Flush opened eye with running water for at least 5 minutes. Seek medical attention.

Skin (contact): Remove contaminated clothing. Wash skin with soap and water. In case of allergic reaction, seek medical attention.

Ingestion: Seek medical attention.

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### 5. Fire Fighting Measures

Suitable extinguishing media: Dry powder, vapourizing liquid or foam extinguisher.

Unusual Fire and Explosion Hazards: Heat can cause polymerization with rapid release of energy which may melt the container.

Special protective equipment: No special measures required for small quantity. Use water spray to cool container.

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### 6. Accidental Release Measures

Personal precautions: Not required.

Environmental precautions: Prevent any spillage from entering waterways, drains or sewage system.

Methods for cleaning up: Mop up spillage with absorbance paper/cloth soaked in ethanol/acetone.

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## 7. Handling and storage

### Handling

Replace caps immediately after use.

### Storage

Store in a cool place at temperatures between 10°C and 25°C (50° - 77°F). Keep out of direct light.

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## 8. Exposure controls and personal protection

Respiratory protection:	None required under normal conditions of use.
Hand protection:	Rubber, latex or PVC gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Follow good housekeeping practices and good industrial hygiene in handling this material. Remove any naked lights or strong heat sources.

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## 9. Physical and chemical properties

Appearance:	Clear, pale yellow liquid - <b>Conseal-Clear</b> . Tooth coloured semi-translucent liquid - <b>Conseal-Light Grey</b> White liquid - <b>Conseal F (White)</b> .
Odour:	Ester like.
Boiling point:	Gel before boiling.
Melting point:	Not established.
Specific gravity:	1.1 - 1.2
Flash point:	Not established.
Flammable:	Not established.
Autoflammability:	Do not self ignite at room temperature.
Explosive properties:	Do not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	Not established.
Relative density:	Not established.
Solubility:	Insoluble in water.

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## 10. Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid heat, ignition sources, aging, contamination and intense visible light.



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## 10. Stability and Reactivity (Cont'd)

Materials to avoid: Free radical formers, e.g. peroxides, reducing substances and / or heavy metals ions.

Hazardous decomposition products: None under normal conditions; oxides of carbon when burned.

Hazardous reactivity (polymerization): Heat and intense light can cause polymerization.

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## 11. Toxicological information

Acute toxicity: Irritating to skin, eye and mucous membrane.

Sensitization: No sensitizing effect known. In isolated cases contact allergies have been reported.

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## 12. Ecological information

Self assessment: Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.

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## 13. Disposal considerations

Dispose of in accordance with local official regulations.

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## 14. Transport information

Conseal-Clear, Conseal-Light Grey and Conseal F (White) are not classified as Dangerous Goods for air, sea, rail and road transport.

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## 15. Regulatory information

These products are regulated by

TGA  
Medical Devices Directive 93/42/EEC  
FDA  
National regulations

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## 16. Other information

The information provided herein is given in good faith, but no warranty expressed or implied is made.

**Prepared by:** SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia

**Phone Number:**  
+61 3 8727 7111

**Department issuing MSDS:** Research and Development  
**Contact:** Operations Director



## 1. Substance / Preparation and Company name

Product Name: Super Etch, Super Etch LV and Acid Etch Gel / Liquid

Recommended use: For etching of tooth surfaces by dental professionals.

### Manufacturer / Supplier

SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia

#### Telephone:

+61 3 8727 7111 (Business hours)

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## 2. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
Phosphoric acid	7664-38-2	37.0
Balance ingredient (non-hazardous)		63.0

## 3. Hazard Identification

Product is corrosive and may cause destruction of tissue or burns when comes in contact.

Risk phrases – **34/41:** Causes burns to skin and eyes.

Safety phrases – **1/2:** Keep locked up and out of reach of children.  
**24/25:** Avoid contact with skin and eyes.  
**26** In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.  
**28** After contact with skin, wash immediately with plenty of water.

## 4. First Aid Measures

Eye (contact): Flush opened eye with running water for at least 15 minutes. Seek medical attention.

Skin (contact): Remove contaminated clothing. Wash skin with plenty of water. In case of allergic reaction, seek medical attention.

Ingestion: Do not induce vomiting, drink water / milk. Seek medical attention.



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## 5. Fire Fighting Measures

Suitable extinguishing media: Water.

Unusual Fire and Explosion

Hazards: Heat may cause evolution of corrosive fumes.

Special protective equipment: Wear approved respirator and protective gear. Use water spray to cool containers.

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## 6. Accidental Release Measures

Personal precautions: Do not get into eyes, on skin or clothing.

Environmental precautions: Prevent large spillage from entering waterways, drains or sewage system.

Methods for cleaning up: Wear hand protection and mop up spillage with absorbent paper. Dispose according to local regulation. Clean area with a wet towel.

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## 7. Handling and storage

### Handling

Replace caps immediately after use.

### Storage

Store in a cool place at temperatures between 10°C and 25°C (50° - 77°F).

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## 8. Exposure controls and personal protection

Respiratory protection: Not required under normal conditions of use.

Hand protection: Rubber, latex or PVC gloves.

Eye protection: Safety glasses, goggles or face shield.

General safety and hygiene measures: Follow good housekeeping practices and good industrial hygiene in handling this material.

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## 9. Physical and chemical properties

Appearance: Blue gel.

Odour: Acrid.

Boiling point: Not applicable.

Melting point: Not applicable.

Specific gravity: 1.3

Flash point: Not applicable.

Flammable: Not flammable.

Autoflammability: Do not self ignite.



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## 9. Physical and chemical properties (Cont'd)

Explosive properties:	Do not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	Not established.
Relative density:	Not established.
Solubility:	Soluble in water.

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## 10. Stability and Reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Avoid excessive heat.
Materials to avoid:	Metals and strong bases.
Hazardous decomposition products:	None under normal conditions. Corrosive fumes when heated.
Hazardous reactivity (polymerization):	Will not occur.

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## 11. Toxicological information

CORROSIVE

### Acute

Eye (contact):	Causes burns.
Skin (contact):	Causes burns.
Inhalation:	None expected under normal conditions of use.
Ingestion:	Causes burns to soft tissues of the digestive tract.

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## 12. Ecological information

Self Assessment:	Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.
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## 13. Disposal considerations

Dispose of in accordance with local official regulations.





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#### 14. Transport information

Phosphoric acid, aqueous solution UN1805 Packing Group III Class 8.

If packed in Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.

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#### 15. Regulatory information

This product is regulated by:

TGA  
Medical Devices Directive 93/42/EEC  
FDA  
National regulations

Labelling according to NOHSC Criteria: CORROSIVE

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#### 16. Other information

The information provided herein is given in good faith, but no warranty expressed or implied is made.

<b>Prepared by:</b>	SDI Limited	<b>Phone Number:</b>
	3-13 Brunsdon Street, Bayswater	+61 3 8727 7111
	Victoria, 3153, Australia	

<b>Department issuing MSDS:</b>	Research and Development
<b>Contact</b>	Operations Director

**SAFETY DATA SHEET** [according to GHS]**Product:** CONSEAL- Clear, CONSEAL- Light Grey, CONSEAL F (WHITE)**Date / Revised:** 02.02.2015**Page 1 of 7****Revision:** 6**1. Identification of the substance/mixture and of the Company/undertaking:****1.1** Product identifier:

Product Name: Conseal-Clear, Conseal-Light Grey, Conseal F (White)

**1.2** Relevant identified use:

Dental professional use: For the protection of pits and fissures.

**1.3** Details of the supplier of the Safety Data Sheet:**Manufacturer / Supplier**SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, AustraliaSDI (North America) Inc.  
1279 Hamilton Parkway  
Itasca, IL 60143, USA**Telephone:**

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**Emergency contact number:** +61 3 8727 7111Email: [ray.cahill@sdi.com.au](mailto:ray.cahill@sdi.com.au) (Technical Director, SDI Limited)**2. Hazard Identification**

Classification of the substance/mixture:

**SIGNAL WORD: WARNING**

GHS Classification:



Skin Sens. 1

## 2. Hazard Identification

Ingestion of unpolymerised material may cause gastric irritation. In isolated cases, contact allergies have been reported with acrylic resins. Anyone with known history of resin allergies are advised to seek the advice of a specialist before use.

Hazard statements:

H317 May cause an allergic skin reaction.

Prevention:

P261 Avoid breathing vapour.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.  
P102 Keep out of reach of children.  
P103 Read instructions for use before use.

Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation occurs,: Get medical advice/attention.  
P321 Specific treatment- see product Instructions for Use.  
P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other: Product may be irritating to skin, eye and mucous membrane. Ingestion of unpolymerised material may cause gastric irritation. Anyone with known resin allergies must not use this product without consulting a specialist.

## 3. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>Wt. %</u>
<b>Conseal-Clear</b>		
Acrylic monomer	-	100.0
<b>Conseal-Light Grey</b>		
Acrylic monomer	-	80.0
Balance ingredient (non-hazardous)		20.0
<b>Conseal F (White)</b>		
Acrylic monomer	-	93.0
Balance ingredient (non-hazardous)		7.0

Hazard Classification:



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Skin Sens. 1: H317

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#### **4. First Aid Measures**

Eye (contact): Flush opened eye with running water for at least 5 minutes. Seek medical attention.

Skin (contact): Remove contaminated clothing. Wash skin with soap and water. In case of allergic reaction, seek medical attention.

Ingestion: Seek medical attention.

Inhalation: None expected. If feeling unwell, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if still feeling unwell.

Most important effects, acute and delayed:

The most important known symptoms and effects are described in section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed: No data available.

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#### **5. Fire Fighting Measures**

Suitable extinguishing media: Dry powder, vapourizing liquid or foam extinguisher.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the mixture: Combustible. Slight fire hazard when exposed to heat or flame.

Unusual Fire and Explosion Hazards: Heat can cause polymerization with rapid release of energy which may melt the container.

Special protective equipment: No special measures required for small quantity (less than 1 kg). For large quantity, wear approved respirator and protective gear.  
Use water spray to cool container.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

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#### **6. Accidental Release Measures**

Personal precautions: Not required.



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Environmental precautions:	Prevent any spillage from entering waterways, drains or sewage system.
Methods for cleaning up and containment:	Mop up spillage with absorbent paper/cloth soaked in ethanol/acetone. Dispose of in accordance with local regulations.
Removal of ignition sources:	Eliminate sources of ignition.

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## 7. Handling and storage

Precautions for safe handling: Replace caps immediately after use. For use by trained dental professionals only.

Conditions for safe storage, including any biocompatibilities: Store in a cool place at temperatures between 10°C and 25°C (50°-77°F). Keep out of direct light.

Specific end use:

Apart from the use mentioned in section 1.2, there are no other uses for the product.

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## 8. Exposure controls and personal protection

Control parameters:

Occupational Exposure Limits: We are not aware of any national exposure limit.

Exposure controls:

Respiratory protection: None required under normal conditions of use.

Hand protection: Rubber, latex or PVC gloves.

Eye protection: Safety glasses, goggles or face shield.

General safety and hygiene measures: Follow good housekeeping practices and good industrial hygiene in handling this material. Remove any naked lights or strong heat sources.

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## 9. Physical and chemical properties

Appearance: **Conseal-Clear** -Clear, pale yellow liquid; **Conseal-Light Grey** - Tooth coloured semi-translucent liquid; **Conseal F (White)** - White liquid.

Odour: Ester like.

Boiling point: Gel before boiling.

Melting point: Not established.

Specific gravity: 1.1 - 1.2

Flash point: Not established.

Flammable: Not established.

Autoflammability: Do not self ignite at room temperature.

Explosive properties: Do not present an explosion hazard.

Oxidizing properties: Not established.

Vapour pressure (@ 20°C): Not established.

Relative density: Not established.



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Solubility:	Insoluble in water.
Auto-ignition temperature:	Not established.
Decomposition temperature:	Not established.
Initial boiling point and boiling range:	Not established.
pH:	Not established.

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## 10. Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Incompatible materials:	Free radical formers, e.g. peroxides, reducing substances and / or heavy metals ions.
Conditions to avoid:	Avoid heat, ignition sources, aging, contamination and intense visible light. Heat and intense light can cause polymerization.
Hazardous decomposition products:	None under normal conditions; oxides of carbon when burned.

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## 11. Toxicological information

Acute toxicity:	May be skin sensitising.
Urethane dimethacrylate CAS 72869-86-4:	Oral (rat) LD50 > 2000mg/kg.
Triethylene glycol dimethacrylate CAS 109-16-0:	Oral (rat) LD50 10837mg/kg; Oral (mouse): LD50 10750 mg/kg. Nil irritation reported.
Serious eye damage/irritation:	May be irritating to eyes.
Skin corrosion/irritation:	Skin irritant.
Respiratory or skin sensitisation:	In isolated cases contact allergies have been reported. Not respiratory sensitiser.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  (IARC: International Agency for Research on Cancer, by the World Health Organisation (WHO)).



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Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	May cause irritation to eyes, skin and inhalation.
Specific target organ toxicity – repeated exposure:	No data available.
Aspiration hazard:	No data available.

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## 12. Ecological information

Self assessment:	Slightly hazardous for water. Do not allow large quantities to reach sewage system and waterways.
Ecotoxicity:	No data available.
Persistence and biodegradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT and VPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects (such as hazardous to ozone layer):	No data available.

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## 13. Disposal considerations

Dispose of in accordance with local official regulations.

Contaminated packaging:	Dispose of contaminated packaging as hazardous waste in accordance with local official regulations.
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## 14. Transport information

Conseal-Clear, Conseal-Light Grey and Conseal F (White) are not classified as Dangerous Goods for air, sea, rail and road transport.

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## 15. Regulatory information

These products are regulated by:	TGA Medical Devices Directive 93/42/EEC FDA National regulations for medical devices
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## 16. Other information

The information provided herein is given in good faith, but no warranty expressed or implied is made.



**SAFETY DATA SHEET** [according to GHS]

**Product:** CONSEAL- Clear, CONSEAL- Light Grey, CONSEAL F (WHITE)

**Date / Revised:** 02.02.2015

**Page 7 of 7**

**Revision:** 6

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**Prepared by:** SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia

**Phone Number:**  
+61 3 8727 7111

Date of preparation/revision: 2<sup>nd</sup> February 2015

**Department issuing SDS:** Research and Development

**Contact:** R&D Director

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## 1. Identification of the substance/mixture and of the Company/undertaking:

1.1 Product identifier:

Product Name: Super Etch, Super Etch LV and Acid Etch Gel / Liquid

1.2 Relevant identified use:

Relevant use:

Dental professional use: For etching of tooth surfaces by dental professionals.

1.3 Details of the supplier of the Safety Data Sheet:

### **Manufacturer / Supplier**

SDI Limited  
3-13 Brunsdon Street, Bayswater  
Victoria, 3153, Australia

SDI (North America) Inc.  
1279 Hamilton Parkway  
Itasca, IL 60143, USA

### **Telephone:**

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Southern Dental Industries Ltd  
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Santry, Dublin 9, Ireland

SDI Brasil Indústria e Comércio Ltda  
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**Emergency contact number:**

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Email: [ray.cahill@sdi.com.au](mailto:ray.cahill@sdi.com.au) (Technical Director, SDI Limited)

## 2. Hazard Identification

Classification of the substance/mixture:

**SIGNAL WORD: DANGER**



**Corrosion**

GHS Classification (according to CLP):  
Skin corrosion – category 1B



## 2. Hazard Identification

Hazard statement(s)

H314 Causes severe skin burns and eye damage

Precautionary statement(s):

P260 Do not breathe fumes/vapours/mist.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/clothing.

P103 Read instructions before use.

Response:

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash contaminated clothing before re-use.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 Immediately call a POISON CENTRE or doctor/physician.

P321 Specific treatment, refer to First Aid instructions Section 4.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P101 If medical advice is needed, have product container and instructions for use at hand.

Storage:

P405 Store locked up.

P102 Keep out of reach of children.

Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

Other:

Product is corrosive and may cause destruction of tissue or burns when comes in contact.

## 3. Composition / Information on ingredients

<u>Composition:</u>	<u>CAS No.</u>	<u>EC No.</u>	<u>Wt. %</u>	<u>Classification:</u>
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Phosphoric acid	7664-38-2	231-633-2	37.0	Skin corrosion
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Concentration limit, M factor Phosphoric acid: Skin Corr 1B: C  $\geq$  25%., H314



#### 4. First Aid Measures

- Eye (contact): Flush opened eye with running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.
- Skin (contact): Remove contaminated clothing. Wash skin with plenty of water. In case of allergic reaction or irritation, seek immediate medical attention.
- Ingestion: Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Drink water or milk if safe to do. Seek immediate medical attention.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If feeling unwell or concerned, call a POISON CENTRE or doctor/physician.

Most important effects, acute and delayed:

The most important known symptoms and effects are described in section 2 and/or in section 11.

Indication of any immediate medical attention and special treatment needed: No data available.

#### 5. Fire Fighting Measures

- Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unusual Fire and Explosion Hazards: Heat may cause evolution of corrosive fumes.
- Special protective equipment: Wear approved respirator and protective gear. Use water spray to cool containers.
- Unsuitable extinguishing media: No data available.
- Specific hazards arising from the mixture: Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine. Oxides of phosphorus.
- Advice for firefighters: Wear self-contained breathing apparatus for fire fighting if necessary.

#### 6. Accidental Release Measures

- Personal precautions: Do not get into eyes, on skin or clothing. Use personal protective equipment, including protective gloves and safety glasses/goggles. Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
- Environmental precautions: Prevent large spillage from entering waterways, drains or sewage system.
- Methods for cleaning up and containment:
- Wear hand protection and mop up spillage with absorbent paper. Clean area with a wet towel. Dispose according to local regulation as hazardous waste.



## 7. Handling and storage

Handling: Replace caps immediately after use.

Storage: Store in a cool place at temperatures between 10°C and 25°C (50° - 77°F).

Specific end use: Apart from the use mentioned in section 1.2, there are no other uses for the product.

## 8. Exposure controls and personal protection

Occupational Exposure Limits:

Control parameters:

Occupational exposure limits (NOHSC, NIOSH, OSHA,):

Standard name	Cas No	TWA (ppm)	TWA (mg/M <sup>3</sup> )	STEL (ppm)	STEL (mg/M <sup>3</sup> )
Phosphoric acid	7664-38-2	-	1	-	3

NOHSC – National Occupation Health and Safety Commission

NIOSH – National Institute for Occupation Safety and Health

OHSA – Occupational Health and Safety Authority

TWA – Time weighted average

STEL – Short term exposure limit

Control parameters:

Occupational exposure limits: Not aware of any national exposure limit.

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at end of workday.

Personal protective equipment:

Respiratory protection: Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator approved under government standards such as NIOSH (US) or CEN (EU).

Hand protection and body protection: Rubber, latex or PVC gloves.

Full suit protective clothing – the type dependent on the amount of dangerous substance in the workplace.

Eye protection: Safety glasses, goggles or face shield.

General safety & hygiene measures: Follow good housekeeping practices and good industrial hygiene in handling this material.



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## 9. Physical and chemical properties

Appearance:	Blue gel.
Odour:	Acrid.
Boiling point:	Not applicable.
Melting point:	Not applicable.
Specific gravity:	1.3
Flash point:	Not applicable.
Flammable:	Not flammable.
Autoflammability:	Do not self-ignite.
Explosive properties:	Do not present an explosion hazard.
Oxidizing properties:	Not established.
Vapour pressure (@ 20°C):	Not established.
Relative density:	Not established.
Solubility:	Soluble in water.
Auto-ignition temperature:	Not established
Decomposition temperature:	Not established
Initial boiling point and boiling range:	Not established
pH:	Not established

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## 10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Stable under recommended conditions.
Conditions to avoid:	Avoid excessive heat.
Incompatible materials:	Metals and strong bases.
Hazardous decomposition products:	None under normal conditions. Corrosive fumes when heated.

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## 11. Toxicological information

Toxicity to Animals:

Acute oral toxicity (LD50): 1530 mg/kg [Rat].

Acute dermal toxicity (LD50): 2740 mg/kg [Rabbit]

Acute toxicity: Corrosive.

Serious eye damage/irritation: Causes burns.

Skin corrosion/irritation: Causes burns.

Respiratory or skin sensitisation: None expected under normal conditions of use.

Ingestion: Causes burns to soft tissues of the digestive tract.

Germ cell mutagenicity: No data available.

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

(IARC: International Agency for Research on Cancer, by the World Health Organisation (WHO)).

Reproductive toxicity: No data available.

Specific target organ toxicity – single exposure: May cause irritation to eyes, skin & inhalation.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

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## 12. Ecological information

Ecotoxicity: No data available.

Persistence and biodegradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and VPvB assessment: PBT/VPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects: No data available.



### 13. Disposal considerations

Dispose of in accordance with local official regulations.

Contaminated packaging: Dispose of contaminated packaging as hazardous waste in accordance with local official regulations.

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### 14. Transport information

Phosphoric acid, aqueous solution UN1805 Packing Group III Class 8.

If packed in Chemical kits the following classification may be considered if all ICAO/IATA transport requirements are met:

Chemical Kit UN3316 - Class 9.

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### 15. Regulatory information

This product is regulated by: TGA  
Medical Devices Directive 93/42/EEC  
FDA  
National regulations

Labelling according to NOHSC Criteria: CORROSIVE

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### 16. Other information

The information provided herein is given in good faith, but no warranty expressed or implied is made.

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**Department issuing SDS:** Research and Development

**Contact** R&D Director

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