



Mansion Close  
Moulton Park  
Northampton, NN3 6RU  
Emergency Contact No:  
0800 8405505

Date of issue SDS: 05/01/2009  
Review date SDS:  
SDS Version: 1.1  
MSDS Ref : 94

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## TPS Calcium Remover Jelly (1kg)

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### 1. Identification of the Substance/Preparation and of the Company/Undertaking

#### 1.1 Identification of the substance or preparation

Trade Name : TPS Calcium Remover Jelly  
Product Code : PCDCALRJ

#### 1.2 Company identification

Name : TPS  
Company Role : Distributor  
Street : Mansion Close Moulton Park  
City : Northampton  
Country : England  
Website : [www.totalprintsupplies.co.uk](http://www.totalprintsupplies.co.uk)

#### 1.3 Emergency telephone number

Emergency Number : 0800 840 5505 (office hours only)

### 2. Hazards Identification

#### 2.1 Classification and General Hazards

Irritating to eyes and skin

#### 2.2 Environmental Hazards

No additional information available

### 3. Composition/Information on Ingredients

**Hazardous Ingredients** : HYDROGEN CHLORIDE 1-10%  
EINECS: 231-595-7 CAS: 7647-01-0  
[T] R23; [C] R35  
ORTHOPHOSPHORIC ACID 1-10%  
EINECS: 231-633-2 CAS: 7664-38-2 [C] R34



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### 4. First-Aid Measures

#### 4.1 Symptoms

- Skin contact : There may be irritation and redness at the site of contact.
- Eye contact : There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
- Ingestion : There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- Inhalation : There may be irritation of the throat with a feeling of tightness in the chest.

#### 4.2 Actions

- Skin Contact : Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye Contact : Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion : Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation : Remove casualty from exposure ensuring one's own safety whilst doing so.

### 5. Fire-Fighting Measures

- Extinguishing Media : Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure Hazards : In combustion emits toxic fumes.
- Protection of fire-fighters : Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.



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### 6. Accidental Release Measures

- Personal Precautions : Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 Of SDS. Do not create dust.
- Environmental Precautions : Do not discharge into drains and rivers.
- Clean-up Procedures : Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 7. Handling and Storage

- Handling Requirements : Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.
- Storage Conditions : Store in cool, well ventilated area. Keep container tightly closed.

### 8. Exposure Controls / Personal Protection

- Hazardous Ingredients : HYDROGEN CHLORIDE  
WEL (8 hr exposure limit): 8 mg/m<sup>3</sup> WEL (15 min exposure limit) : 8 mg/m<sup>3</sup>
- ORTHOPHOSPHORIC ACID ... 100%  
WEL (8hr exposure limit): 1 mg/m<sup>3</sup> WEL (15 min exposure limit): 2 mg/m<sup>3</sup>
- Engineering Measures : Ensure there is sufficient ventilation of the area.
- Respiratory Measures : Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.
- Hand Protection : Protective gloves.
- Eye Protection : Tightly fitting safety goggles. Ensure eye bath is to hand.
- Skin Protection : Protective clothing



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### 9. Physical and Chemical Properties

State	: Liquid
Odour	: Barely perceptible odour
Oxidising	: Non-oxidising (by EC criteria)
Solubility in water	: Soluble
Boiling point/range°C	: 100
Vapour Pressure	: N/A
Relative Density	: 1.02g/cm <sup>3</sup>

### 10. Stability and Reactivity

Stability	: Stable under normal conditions
Conditions to avoid	: Heat
Materials to avoid	: Strong oxidising agents. Strong acids
Haz.decomp products	: In combustion emits toxic fumes

### 11. Toxicological Information

Hazardous Ingredients	: ORTHOPHOSPHORIC ACID ..100% ORL RAT LD50 1530 mg/kg
Routes of exposure	: Refer to section 4 of SDS for routes of exposure and corresponding symptoms

### 12. Ecological Information

Persistence and degradability	: Biodegradable
Bioaccumulative potential	: No bioaccumulation potential
Other adverse effects	: Negligible ecotoxicity

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### 13. Disposal Considerations

NB : The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 14. Transport Information

#### 14.1 ADR / RID

Shipping Name : NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT

#### 14.2 IMDG/IMO

#### 14.3 IATA/ICAO

### 15. Regulatory Information

Hazard Symbols: : Irritant



Risk Phrases : R36/38.Irritating to eyes and skin

Note : The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. Other information

#### Risk-Phrases used in S2

R23 Toxic by inhalation  
R35 Causes severe burns  
R34 Causes burns

# TPS

TOTAL PRINT SUPPLIES



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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.