

# SAFETY DATA SHEET

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I.G.B.C.

Issued: 18/06/01

Revision No: 2

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## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** I.G.B.C.

**Use / description of product:** Phosphoric acid based cleaner.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Ingredient 1:** PHOSPHORIC ACID 85% SOLUTION 30-60%

CAS: 7664-38-2

[C] R34;

**Ingredient 2:** PROPAN-2-OL <10%

CAS: 67-63-0

EINECS: 200-661-7

[F] R11; [Xi] R36; [-] R67;

**Ingredient 3:** FATTY ALCOHOL ETHOXYLATE <10%

[Xn] R22; [Xi] R36/38;

**Contains:** Other ingredients: water.

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Causes burns.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Blistering may occur.

**Eye contact:** There may be irritation and redness. There may be severe pain. The eyes may water profusely. Corneal burns may occur.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. There may be coughing and a sore throat. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.  
Drench the affected skin with running water for 10 minutes or longer if substance is still

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on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

## 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide.

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Wear appropriate protective clothing.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

**Clean-up procedures:** Wash away spillage residues to foul sewer.

## 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Avoid contact with eyes and skin.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure there is sufficient ventilation of the area. Phosphoric acid OEL: 2mg/m<sup>3</sup> (15min STEL).

**Respiratory protection:** If OEL(s) listed above are exceeded, respiratory protection may be required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles. Face-shield. Ensure eye bath is to hand.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Colourless

**Odour:** Faint

**Viscosity:** Non-viscous

**Oxidising:** Non-oxidising (by EC criteria)

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**Solubility in water:** Soluble**Relative density:** 1.19**pH:** 1-2**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Heat.**Materials to avoid:** Strong bases. Amines. Finely powdered metals.**Haz. decomp. products:** Thermal decomposition may produce toxic fumes of phosphorus oxides or phosphoric acid mist.**11. TOXICOLOGICAL INFORMATION****Effects of exposure** May cause irritation of skin, eyes, nose and upper respiratory tract. May cause burns.**Ingredient 1:** PHOSPHORIC ACID 85% SOLUTION

ORL RAT LD50 1530mg/kg

**Ingredient 2:** PROPAN-2-OL

ORL RAT LD50 5045mg/kg

**12. ECOLOGICAL INFORMATION****Mobility:** Soluble in water.**Other adverse effects:** Should not be discharged directly in concentrated form to water courses.**13. DISPOSAL CONSIDERATIONS****Waste disposal:** Flush waste to foul sewer.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** 3264**ADR Class:** 8**Hazard ID no:** 80**Labelling:** 8**Shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS PHOSPHORIC ACID)**IMDG / IMO****UN no:** 3264**Class:** 8**Packing group:** III**EmS:** 8-15**Marine pollutant:** NO**Labelling:** 8**IATA / ICAO****UN no:** 3264**Class:** 8

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**Packing group:** III  
**Packing instructions:** 820  
**Quantity:** 60 L  
**Labelling:** 8

## 15. REGULATORY INFORMATION

**Hazard symbols:** Corrosive.



**Risk phrases:** R34: Causes burns.

**Safety phrases:** S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Note:** The regulatory information given above only indicates the principal 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. ADDITIONAL INFORMATION

**Additional information:** "Contains orthophosphoric acid" should be noted on the label. This product belongs to Hazard Groups C and S under the HSE COSHH Essentials guidelines (Publication HSG193). Always use in accordance with manufacturer's directions.

**Risk phrases used in s.2:** R34: Causes burns.  
R11: Highly flammable.  
R36: Irritating to eyes.  
R67: Vapours may cause drowsiness and dizziness.  
R22: Harmful if swallowed.  
R36/38: Irritating to eyes and skin.

**Legal disclaimer:** 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.