



HEALTH AND SAFETY PRODUCT INFORMATION

Product: Direct Glazing Cleaner

Date: 1st May 2009

Product code: 472606

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1.

Company Name and Address
INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester Essex CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : office@indasa.co.uk

2.

Composition/Information on ingredients		
Name	Concentr.(C)	Classification
PROPAN 2.ol No Cas 67-63-0 No CE 200-661-7 No index 603-117-00-0	91,7 <=C< 95,7	R67 F R11 Xi R36

3.

Hazards identification	
3.1 Substance/Preparation Classification This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/ or environmental hazards can be found in sections 11 and 12 of this sheet.	
Danger Symbol F Xi	
R-phrases	11 36 67
3.2 Danger Identification This product may easily catch fire after brief exposure to an ignition source, going on burning even after source removal. IRRITATING TO EYES VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS	

4.

First-Aid measures	
Inhalation	Remove to fresh air. If breathing is irregular seek medical advice.
Skin	Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.
Eyes	Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.
Ingestion	Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5.

Fire-Fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

Extinguishing measures: CO₂, foam, AFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

6.

Accident release measures

Exclude sources of ignition and ventilate the area. Cover with inert absorbent material. Collect spillages by means of sparkproof equipment. Use water only to remove residuals, so as not to run the risk of entering the sewer.

Do not let the product dry. Contaminated clothing must be left to soak in water before washing. In order to choose safety measures and protection equipment; please see the other sections of this sheet.

Spillages in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

7.

Handling and storage

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a well ventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring crossventilation.

Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off with the risk of flashback. Keep far away from sources of heat, sparks and naked flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear anti-static boots.

Vigorous stirring and flow through the pipings and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

8.

Exposure controls/personal protection

Propan-2-OL

- TLV TWA	983 mg/m ³	ACGIH
- TLV STEL	1230 mg/m ³	ACGIH

In order to minimise exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks, suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Thoroughly wash hands with soap and water before meals and at the end of the work shift.

9.

Physical and chemical properties

Colour	Clear	Comburent properties	N.A.
Odour	Characteristic (alcohol)	pH	N.A.
Viscosity	N.A.	Boiling point	N.A.
Vapour density	N.A.	Flash point	<21°C
Solubility	Partial in water – in solvents	Explosive properties	N.A.
Evaporation speed	N.A.	Vapour pressure	37,6mmHg
Specific gravity	0,800Kg/l		

10.

Stability and reactivity

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

11.

Toxicological information

Acute effects: Stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects such as drowsiness, dizziness, slow reflexes, and narcosis.

12.

Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13.

Disposal considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralised before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14.

Transport information

These goods must be transported by vehicles authorised to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packaging or in packaging made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in cases of emergency situations.

15.

Regulatory information

Health hazard symbol

Xi IRRITANT

Physical properties hazard symbol

F HIGHLY FLAMMABLE

R11 HIGHLY FLAMMABLE

R36 IRRITATING TO EYES

R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS

S 9 KEEP CONTAINER IN A WELL-VENTILATED PLACE

S16 KEEP AWAY FROM SOURCES OF IGNITION – NO SMOKING

S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S33 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

16.

Other information

Text of R phrases quoted in section 2 of the sheet

R11 HIGHLY FLAMMABLE

R36 IRRITATING TO EYES

R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS

GENERAL BIBLIOGRAPHY

1. Regulation 1999.45/CE and following amendments;

2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXXV111);

3. Regulation 91/155/CEE and following amendments;

4. The Merck Index – 10th Edition;

5. Handling Chemical Safety;

6. Niosh – Registry of Toxic Effects of Chemical Substances;

7. INRS 0 Fiche Toxicologique (toxicological sheet);

8. Patty – Industrial Hygiene and Toxicology;

9. N.I. Sax- Dangerous properties of Industrial Materials – 7, 1989 Edition

Creation date	01.05.09	Production Management
Replace sheet of	01.03.07	Martyn Barnes
This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.		