

**NANOCOAT CLEAR**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

<b>Product Name</b>	NanoCoat Clear
<b>Product Code</b>	-
<b>Other Names</b>	-
<b>Product Use</b>	Nano coating for glass and ceramic surfaces
<b>Importer Name</b>	International Trading & Consulting Pty Ltd
<b>Address</b>	Unit 4 Platinum Business Park 34-36 Ralph Street Alexandria NSW 2015
<b>Telephone Number</b>	02 9669 3555
<b>Emergency Telephone</b>	02 9669 3555

**2. HAZARDS IDENTIFICATION**

**HAZARDOUS SUBSTANCE. DANGEROUS GOODS.**

Classified as hazardous according to the criteria of ASCC.

<b>Hazards</b>	F - Flammable Xi - Irritant
<b>Risk Phrases</b>	R11 - Highly flammable R36 - Irritating to eyes R67 - Vapours may cause drowsiness and dizziness.
<b>Safety Phrases</b>	S2 - Keep out of reach of children S7 - Keep container tightly closed. S16 - Keep away from sources of ignition - No smoking. 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.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient (common name)</b>	<b>CAS Number</b>	<b>Proportion</b>
Propan-2-ol	67-63-0	70-90%
Ethanol	64-17-5	1-10%

**4. FIRST AID MEASURES**

<b>Inhalation</b>	Move to fresh air. Apply CPR if victim is not breathing. Administer oxygen if breathing is difficult. Remove contaminated clothing and loosen remaining clothing. Seek medical attention.
<b>Ingestion</b>	Wash out mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
<b>Skin</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with soap and water. Launder any

**Eyes** contaminated clothing before re-use. Seek medical attention if symptoms persist.  
Flush eyes with large amounts of water for 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.  
**Hazardous Combustion Products** Alcohol resistant foam, water spray, carbon dioxide and dry chemical powder.  
**Firefighting Equipment** Toxic fumes.  
**Unusual Fire or Explosion Hazards** Wear ASCC approved self-contained breathing apparatus and full protective clothing.  
Use water spray to cool containers. Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.  
**Hazchem Code** 2[Y]E

## 6. ACCIDENTAL RELEASE MEASURES

**Spills** Wear full protective clothing. Mark out the contaminated area and prevent access to unauthorised personnel. Contain large spills with absorbent material such as dry earth or sand. Transfer spilled material into labelled containers for disposal. Do not discharge the material into drains, waterways or rivers. Do not use equipment in clean-up procedure which may produce sparks.

## 7. HANDLING AND STORAGE

**Handling** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.  
**Storage** Store in cool, well ventilated area. Keep containers tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure Standards (ASCC)</b>	<p><b>Propan-2-ol:</b> TWA: 400ppm /983mg/m<sup>3</sup> STEL:500ppm / 1230mg/m<sup>3</sup></p> <p><b>Ethanol:</b> TWA: 1000ppm /1880mg/m<sup>3</sup> STEL:-ppm / -mg/m<sup>3</sup></p>
<b>Engineering Controls</b>	Use exhaust ventilation to keep airborne concentrations of vapours below their respective occupational exposure limits.
<b>Respiratory Protection</b>	Use an ASCC approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.
<b>Eye Protection</b>	To prevent eye contact, wear eye protection such as safety goggles or face shield.
<b>Skin Protection</b>	To prevent skin contact wear protective clothing, such as impervious gloves, apron, work pants, long sleeve work shirt and disposable coveralls.
<b>Hygienic Practices</b>	Wash hands, face immediately after working with this product and before eating, smoking or using lavatory facilities. Eye wash stations must be readily available within work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Liquid
<b>Odour</b>	No information available
<b>Solubility in water</b>	No information available
<b>Boiling Point</b>	No information available
<b>Freezing Point</b>	No information available
<b>Vapour Pressure</b>	No information available
<b>Vapour Density (Air = 1)</b>	No information available
<b>Viscosity</b>	No information available
<b>Viscosity Test Method</b>	No information available
<b>pH</b>	No information available
<b>Flash Point</b>	14°C
<b>Flammable Limit – Lower</b>	No information available
<b>Flammable Limit – Upper</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions and at room temperature.
<b>Incompatible Materials</b>	Strong oxidizing agents, strong acids.
<b>Hazardous Decomposition Products</b>	Toxic fumes during combustion.
<b>Hazardous Polymerization Conditions to Avoid</b>	No information available. Heat, flames, hot surfaces and sources of ignition.

**11. TOXICOLOGICAL INFORMATION**

<b>Toxicity</b>	<p><b>Propan-2-ol:</b>          Acute oral LD<sub>50</sub>(rat) = 5045 mg/kg          Acute oral LD<sub>50</sub> (mice) = 3600 mg/kg          Acute skin LD<sub>50</sub> (rabbit) = 12800mg/kg          Acute oral TDL<sub>0</sub> (man) = 223 mg/kg          Intravenous LDL<sub>0</sub> (dog) = 5120 mg/kg</p> <p><b>Ethanol:</b>          Acute oral LD<sub>50</sub>(rat) = 7060 mg/kg          Acute oral LD<sub>50</sub> (mice) = 3450 mg/kg          Acute oral LDL<sub>0</sub> (child) = 2000 mg/kg          Inhalation LC<sub>50</sub> (rat) = 20000 ppm/10hr</p>
<b>Routes of Exposure Health effects from likely routes of exposure</b>	<p>Inhalation, ingestion, eye and skin          Inhalation: Can cause irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Vapours may cause drowsiness and dizziness.          Ingestion: Can cause soreness and redness of the mouth and throat and difficulty while swallowing.          Eye: Can cause eye irritation and redness with pain and lachrymation.          Skin: Can cause skin irritation and redness at the site of contact.</p>
<b>Effects of Overexposure Existing Conditions Aggravated by Exposure Carcinogenicity</b>	<p>Repeated exposure may cause skin dryness or cracking.          No information available.          No information available.</p>

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity and mobility</b>	<p><b>Propan-2-ol:</b>          LC<sub>50</sub> 96hr (Pimephales promelas) : 11130 mg/L          LC<sub>50</sub> 24hr (Daphnia magna) : 9500 mb/1          Biodegradable          Readily absorbed into soil          No bioaccumulation potential          Negligible ecotoxicity.</p>
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**13. DISPOSAL CONSIDERATIONS**

<b>Disposal methods and containers Special precautions for landfill or incineration</b>	<p>Dispose of according to applicable local and state government regulations.          Please consult your state Land Waste Management Authority for more information.</p>
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**14. TRANSPORT INFORMATION**

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

**UN Number** 1993  
**Proper Shipping Name** FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL, ETHANOL)  
**Dangerous Goods Class** 3  
**Hazchem Code** 2[Y]E  
**Packing Group** II  
**Special Precautions** Not applicable

**15. REGULATORY INFORMATION**

Propan-2-ol and ethanol are listed in the Australian Inventory of Chemical Substances (AICS).

**16. OTHER INFORMATION**

**Last Revision of MSDS** Rev 1.1 (16/03/2009)  
**Prepared by** MSDS.COM.AU Pty Ltd [www.msds.com.au](http://www.msds.com.au)  
**Abbreviations Used** ASCC: Australian Safety and Compensation Council  
IARC: International Agency for Research on Cancer  
LDL<sub>0</sub>: Lowest published lethal dose  
NTP: National Toxicology Program (U.S.)  
OSHA: Occupational Safety and Health Administration (U.S.)  
STEL: Short term exposure limit  
TDL<sub>0</sub>: Lowest published toxic dose  
TWA: Time weighted average

**Emergency Contacts**

**International Trading & Consulting Pty Ltd** 02 9669 3555  
**International Trading & Consulting Pty Ltd – Emergency Number** 02 9669 3555  
**Police and Fire Brigade** 000  
**Poisons Information Centre** 13 11 26

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Please read instructions / label before using product.