

MATERIAL SAFETY DATA SHEET

Section 1. Product and Supplier Identification

Product Name : **EKOFIX PRESERVATION SOLUTION**

Other Names :

Use :

Supplier : Eko Solutions

Address : 5 Maddison Court
P.O. Box 4047, Bundaberg Sth Qld, 4670

Telephone : 07 4154 2921

Fax : 07 4154 2933

Emergency : 0417 720 832

Section 2. Hazard Identification

Hazard Statement This product is classified as **Hazardous** according to the criteria of Workplace Australia

Product is classed as a Dangerous Good within the definition of the Australian Dangerous Goods Code.

UN 1219 DG CLASS 3 PKG GRP II HAZ 2[Y]E
CONTAINS ISOPROPANOL

Risk Phrases : R11 R22 R66
Highly Flammable. Harmful if swallowed. Repeated exposure may cause skin dryness or cracking.

Safety Phrases: S2 S16 S23 S24 S40 S35 S62
Keep Out of Reach of Children. Keep away from sources of ignition - no smoking.
Do not breathe gas/fumes/vapour/spray. Avoid contact with skin.
To clean the floor and all objects contaminated by this material use water
This material and its container must be disposed of in a safe way. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 3. Composition / Information on Ingredients

This composition is classed as a **mixture** of the following ingredients :

Component Name	CAS #	%
Isopropanol	67-63-0	>60
Other non-hazardous ingredients		To 100%

Section 4. First Aid Measures

SWALLOWED

Rinse mouth out with plenty of water. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, **DO NOT** induce vomiting. Give a glass of water.

EYE

If this product comes in contact with the eyes:

Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

If product comes in contact with the skin, Wash affected areas thoroughly with water. Seek medical attention in event of irritation.

INHALED

If fumes or combustion products are inhaled: Remove to fresh air.

Lay patient down. Keep warm and rested. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital, or doctor.

ADVICE TO DOCTOR

Visible effects are similar to other lower primary alcohols (eg ethanol). Patient may suffer CNS depression, nausea, dizziness, drowsiness, loss of coordination and fatigue. High concentrations may cause light-headedness, giddiness, shortness of breath, confusion, and may lead to narcosis, cardiac irregularities, unconsciousness or even death.

Section 5. Firefighting Measures

Product is highly flammable.

If product has breached packaging, use of alcohol resistant foam is encouraged, otherwise dilute with fog or water jet. Product / packaging should be cooled via the use of fog, water jet or foam.

Section 6. Accidental Release Measures

MINOR SPILLS

Product is flammable. Ensure all ignition sources are removed. Clean up all spills immediately. Avoid contact with skin.

MAJOR SPILLS

Product is flammable. Ensure all ignition sources are removed. Contain / Control Product by use of absorbent bunds. Absorb excess product onto suitable biodegradable absorbent and dispose of via bioremediation or fixation. DO NOT discharge a major spill to drains.

NOTIFICATION PROCEDURES FOR SPILLS

Report Spills as required to appropriate authorities such as Local Environmental Health Officer, EPA or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, EPA or Area Water Authority.

Section 10. Stability and Reactivity

Stability (Thermal, Light, Etc)	Stable
Conditions to Avoid	Heat, flames
Incompatible with	Oxidising agents
Decomposition Products	Limited evolution of carbon dioxide
Self-Polymerisation	Does not occur

Section 11. Toxicological Information

Acute Health Effects

Most likely expose routes for damage are by inhalation or ingestion.

Visible effects are similar to other lower primary alcohols (eg ethanol). Patient may suffer CNS depression, nausea, dizziness, drowsiness, loss of coordination and fatigue. High concentrations may cause light-headedness, giddiness, shortness of breath, confusion, and may lead to narcosis, cardiac irregularities, unconsciousness or even death.

Toxicity will require monitoring of blood chemistry by appropriately trained toxicologist. Ensure that toxicologist is made aware of the presence of isopropanol in the product.

Eye contact requires immediate medical attention. Presence of concentrated alcohols may lead to localised irritation to the outer layer of the eye due to defatting.

Skin contact will usually produce no symptoms, except in individuals showing prior chemical sensitisation or dermatitis. Treatment in these cases will require medical attention.

Chronic Health Effects

Chronic inhalation of alcohol vapours may lead to long term liver, kidney and CNS damage.

Section 12. Ecological Information

Ecological fate of mixture has not been determined.

Biodegradability rates of component parts suggest product to be readily biodegradable after dilution as defined in Australian Standards with > 90% biodegradable within 28 days.

Overall level of inorganic phosphates = nil.

Other components have little, if any, environmental impact at normal dilution rates.

Product contains > 90% VOC components.

Section 13. Disposal Considerations

Product should be disposed of according to local government guidelines.

Disposal of small amounts of concentrate is most easily achieved by dilution and discharge to the local sewerage treatment system. Disposal of larger amounts may require that the product be passed on to a competent chemical waste disposal authority or contractor.

Product should never be disposed of into natural watercourses or stormwater systems or directly to the environment without appropriate treatment.

Section 14. Transport Information

Product is classed as a Dangerous Good within the definition of the Australian Dangerous Goods Code.

Product is HAZARDOUS.

UN 1219
DG CLASS 3
PKG GRP II
HAZ 2[Y]E

CORRECT SHIPPING NAME : ISOPROPANOL

Section 15. Regulatory Information

All components utilised in this formulation are registered with the relevant Australian Government agencies (NICNAS, NIOSH, AICS).

Section 16. Other Information

This MSDS was last reviewed on: 21 August 2006

Date for next mandatory review : 21 August 2011

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Disclaimer

This MSDS follows the NOHSC:2011(2003) National Code of Practice for the Preparation of Material Safety Data Sheets (2nd ed).

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End of MSDS