



SPECIALISED REFINISHING  
PAINTS AND THINNERS  
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## UPOXY RESEARCH LIMITED

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Material Safety Data Sheet  
(conforming to 91/155/EEC)

### SAFETY DATA SHEET

#### READYSEAL ISOLATOR

#### 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

CHEMICAL NAME: READYSEAL ISOLATOR  
SUPPLIER: UPOXY RESEARCH LTD  
NEWBATTLE INDUSTRIAL ESTATE  
DALKEITH MIDLOTHIAN EH22 4AD  
TEL:0131 654 2252 FAX:0131 663 7220  
0131 654 2252

EMERGENCY TELEPHONE:

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Organic pigments, extender, with natural and synthetic resins in industrial alcohol solvent.

INGREDIENT NAME	CAS.NO.	CONTENTS	HEALTH (Class)	RISK (R No.)
ETHANOL	64-17-5	>50%	-	-

COMPOSITION COMMENTS:

#### 3. HAZARDS IDENTIFICATION:

Highly Flammable

#### 4. FIRST AID MEASURES:

INHALATION: Remove to fresh air, and keep patient warm. Give nothing by mouth.

EYE CONTACT: Irrigate copiously with clean, fresh water for at least ten minutes, holding the eyelids apart.

SKIN CONTACT: Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners.

INGESTION: In case of accidental ingestion, obtain immediate medical attention. DO NOT INDUCE VOMITING.

IN ALL CASES OF DOUBT, OR WHERE SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

#### 5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use water spray, fog or mist alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed containers cool and disperse vapours.

HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protections. Absorb in vermiculite, dry sand or earth and place into containers. Water spray to reduce vapours. DO NOT put water on leak area. Run-off or release to sewer, waterway or ground forbidden. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. For gaskets and seals use:- compressed asbestos, butyl rubber, PTFE.

STORAGE PRECAUTIONS:

Flammable/combustible. Keep away from oxidizers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Keep containers closed tightly. Keep in cool, dry, ventilated storage and closed containers. Protect from light, incl. direct sun rays.

STORAGE CRITERIA:

Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

SUBSTANCE	% WEIGHT LIMIT IN PAINT	OEL/8HOURS TWA*	OEL/10MINS TWA#	NOTES
ETHANOL	OVER 50	1000(R)	-	-

Notes: \* Long term exposure limit, 8 hours time weighted average  
 # Short term exposure limit, 10 minutes time weighted average  
 (R) Recommended limit

PROTECTIVE EQUIPMENT:

VENTILATION:

Provide adequate general and local exhaust ventilation.

PROTECTIVE GLOVES:

Protective gloves should be used if there is a risk of direct contact or splash.

EYE PROTECTION:

Wear chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION:

Provide eyewash station. If there is danger of splashing wear PVC or rubber boots. PV or other impermeable suit.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

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COLOUR: yellow  
APPEARANCE: liquid  
ODOUR/TASTE: alcohol  
SOLUBILITY DESCRIPTION: immiscible in water  
SPECIFIC GRAVITY (Water=1): 1.18 @ 20 deg C  
VISCOSITY (20 deg C): 1.52 cSt 25 sec BS B4 cup  
BOILING POINT (deg C): 78  
FLASH POINT (deg C): 13  
FLASH POINT METHOD: P/M Pensky-Martins

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10. STABILITY AND REACTIVITY:

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STABILITY: Normally stable.  
INCOMPATIBLE SPECIFIC CHEMICALS: SULPHURIC ACID, NITRIC ACID  
MATERIALS TO AVOID: Strong oxidizing agents.  
CONDITIONS TO AVOID: Reacts strongly with oxidizers, Avoid heat, flames and other sources of ignition.  
HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates oxides of carbon.

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11. TOXICOLOGICAL INFORMATION:

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TOXICOLOGICAL INFORMATION: All components have a low order of acute toxicity. Data for ethanol: Adverse effects on the male reproductive system, have been reported in laboratory animals following repeated exposure. Development effects have been observed in laboratory animals.

observed in laboratory animals.

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12. ECOLOGICAL INFORMATION:

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DEGRADABILITY:

Product is not expected to bioaccumulate. The product is expected to be readily biodegradable. Considered by the U.N. as "less important" in the formation of, episodic ozone. This product is poorly absorbed onto soils or sediments.

ENVIRONMENTAL HAZARDS:

Data for ethanol. The product is rated as non hazardous to aquatic, species. Tests gave a 24h LC50 of 11400 mg/litre on trout. Toxicity threshold concentration (cell multiplication inhibition, test) 5000 ng/litre algae.

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13. DISPOSAL CONSIDERATIONS:

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DISPOSAL METHODS:

Do not allow runoff to sewer, waterway or ground. Confirm disposal procedures with environmental engineer and local regulations.

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14. TRANSPORT INFORMATION:

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ROAD:

UN NO:

1263

HAZCHEM CODE:

2(S)E

ADR CLASS:

3

ADR HAZARD NO:

33 Highly flammable liquid  
(flash point below 21 deg C)

ADR ITEM NO:

3(B)

LABEL FOR CONVEYANCE:



AIR:

UN NO:

1263

AIR TRANSPORT CLASS NO:

3

AIR PACK GR:

II

SEA:

UN NO:

1263

SEA TRANSPORT CLASS NO:

3.2

SEA PACK GR:

II

MARINE POLLUTANT:

No

RAIL:

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15. REGULATORY INFORMATION:

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LABEL FOR SUPPLY:



HIGHLY  
FLAMMABLE

RISK PHRASES:

R-11 Highly flammable  
R-20/22 Harmful by inhalation  
and if swallowed

SAFETY PHRASES:

S-1/2 Keep locked up and out  
of reach of children  
S-7 Keep container tightly  
closed  
S-16 Keep away from sources  
of ignition - No smoking  
S-24 Avoid contact with skin  
S-45 In case of accident or  
if you feel unwell seek  
medical advice  
immediately (show label  
where possible)

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16. OTHER INFORMATION:

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USER NOTES:

For further Health and Safety  
information contact:  
DAVID MUIRHEAD

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