

## SAFETY DATA SHEET PRIMA SEAL THINNER

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

PRODUCT NAME:	PRIMA SEAL THINNER
SUPPLIER:	UPOXY RESEARCH LIMITED NEWBATTLE INDUSTRIAL ESTATE DALKEITH MIDLOTHIAN EH22 4AD TEL: 0131 654 2252 FAX: 0131 663 7220
EMERGENCY TEL:	0131 654 2252

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

INGREDIENTS NAME:	CAS.NO.	CONTENTS	HEALTH (Class)	RISK (R No)
ISOPROPANOL	67-63-0	>50%	-	11
ETHANOL	64-17-5	>20%	-	11
ISOBUTANOL	78-83-1	<20%	Xn	11/20

COMPOSITION  
COMMENTS:

### 3. HAZARDS IDENTIFICATION:

Highly Flammable  
Harmful by inhalation and if swallowed

### 4. FIRST AID MEASURES:

EYES:	Promptly wash eyes with lots of water while lifting the eye lids. Continue to rinse for a least 20 minutes. Obtain medical attention.
SKIN:	Remove affected person from source of contamination. Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.
INHALATION:	Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.
INGESTION:	Immediately rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately. If there is difficulty in breathing, give oxygen. If breathing stops or shows signs of failing, apply artificial respiration.

**5. FIRE FIGHTING MEASURES:**

EXTINGUISHING MEDIA: 'alcohol' foam, carbon dioxide (CO2), dry chemicals, sand, dolomite, etc.

SPECIAL FIRE FIGHTING PROCEDURES: Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water from the side until well after the fire is out. Use water spray to reduce vapours. If water pollution occurs, notify appropriate authorities.

**6. ACCIDENTAL RELEASE MEASURES:**

SPILL CLEANUP METHODS: Clean-up personnel should use respiratory and/or liquid contact protection. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer waterway or ground is forbidden. Absorb in vermiculite, dry sand or earth and place in suitable containers. If it has entered drains, inform authorities (Fire Service).

**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. Wear full protective clothing for prolonged exposure and/or high concentrations.

STORAGE PRECAUTIONS: Flammable/combustible. Keep away from oxidisers, heat and flames. May attack some plastics, rubber and coatings. Keep in cool, dry, ventilated storage and closed containers.

STORAGE CRITERIA: Flammable liquid storage.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

INGREDIENT NAME	CAS NO.	STD	LT EXP (8 hrs)	ST EXP (15 min)
ISOPROPANOL	67-63-0	OES	400 ppm	500 ppm
ETHANOL	64-17-5	OES	1000 ppm	No std.
ISOBUTANOL	78-83-1	OES	50 ppm	75 ppm

PROTECTIVE EQUIPMENT:

VENTILATION: Provide adequate general and local exhaust ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

RESPIRATORS: CCROVF, CCR with organic vapour respirator and full facepiece.

PROTECTIVE GLOVES: Use protective gloves made of polyvinyl chloride. (PVC)

EYE PROTECTION: Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION: Use engineering controls to reduce air contamination to permissible level. Provide eyewash quick drench. Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENIC WORK ROUTINES: Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet. Promptly remove any clothing that becomes wet or contaminated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

COLOUR:	clear
APPEARANCE:	liquid
ODOUR/TASTE:	alcohol
SOLUBILITY DESCRIPTION:	miscible with water
SPECIFIC GRAVITY (Water=1):	0.8 @ 15 de g C
FLASH POINT:	12 deg C
FLASH POINT METHOD:	CC (Closed cup)

## 10. STABILITY AND REACTIVITY:

STABILITY:	Avoid heat, sparks, flames. Moisture.
MATERIALS TO AVOID:	Strong oxidising agents.

## 11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE 1-LD50:	4700 mg/kg (oral rat)
TOXICOLOGICAL INFO:	LC50/inhalation rat 46.5 mg/litre/4h
HEALTH WARNINGS:	Irritant of eyes and mucous membranes. Narcotic effect. CNS depressant.
ROUTE OF ENTRY	Inhalation. Ingestion. Skin and/or eye contact.
TARGET ORGANS:	Central nervous system. Eyes. Respiratory system lungs. Skin.
MEDICAL SYMPTOMS:	Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Skin irritation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.
MEDICAL CONSIDERATIONS:	Convulsive disorders, CNS problems.

## 12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL HAZARDS:	Biodegradability:>99.9% (DOC: coupled units test/OEDC 303A) LC50 (Leuciscus idus melanotus) >1000 mg/l 48h.
ACUTE FISH TOXICITY:	LC50/96h/fathead minnows/9600mg/litre. EC50 24h/10000 mg/litre. Toxicity threshold concentration 1800 mg/litre algae.

## 13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Incinerate in suitable combustion chamber. Absorb in vermiculite or dry sand, dispose in licensed special waste. Confirm disposal procedures with environmental engineer and local regulations.
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**14. TRANSPORT INFORMATION:**

ROAD:  
UN No: 1263  
HAZCHEM CODE: 3YE  
ADR CLASS 3  
ADR HAZARD NO: 33 Highly Flammable Liquid Flash Point below 21 deg C

LABEL FOR CONVEYANCE:

**15. REGULATORY INFORMATION:**

LABEL FOR SUPPLY:



**HIGHLY  
FLAMMABLE**



**HARMFUL**

RISK PHRASES:

R-11

Highly Flammable

R-20

Harmful by inhalation

SAFETY PHRASES:

S-2

Keep out of reach of children

S-9

Keep container in a well ventilated place

S-16

Keep away from sources of ignition - No smoking

S-23

Do not breathe vapour

**16. OTHER INFORMATION:**

USER NOTES:

For further Health and Safety Information contact:

**DAVID MUIRHEAD**

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