

SAFETY DATA SHEET UPOXY FAST FLASH THINNER

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

PRODUCT NAME:	UPOXY FAST FLASH THINNER
SUPPLIER:	UPOXY RESEARCH LIMITED NEWBATTLE INDUSTRIAL ESTATE DALKEITH MIDLOTHIAN EH22 4AD TEL: 0131 654 2252 FAX: 0131 663 7220
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2. COMPOSITION /INFORMATION ON INGREDIENTS:

INGREDIENTS NAME:	CAS.NO.	CONTENTS	HEALTH (Class)	RISK (R No)
ISOPROPANOL	67-63-0	>40%	F	11
ISOPROPYL ACETATE	108-21-4	>40%	F	11
ACETONE	67-64-1	>20%	F	11
ALIPHATIC HYDROCARBON	64741-84-0	>10%	N	11

COMPOSITION
COMMENTS:

3. HAZARDS IDENTIFICATION:

Highly Flammable
Irritating to eyes, respiratory system and skin
Repeated or prolonged skin contact may have a degreasing action
Liquid and vapour may cause drowsiness, nausea, dizziness respiratory irritation, headache, fatigue, dizziness and unco-ordination and ultimately unconsciousness if inhaled or ingested

4. FIRST AID MEASURES:

GENERAL:	NOTE: Keep affected person away from heat, sparks and flames!
EYES:	Promptly wash eyes with lots of water while lifting the eye lids. Contact lenses should be removed. Continue to rinse for a least 20 minutes. Obtain medical attention. Urgently.
SKIN:	Remove affected person from source of contamination. Get medical attention immediately. Rinse the skin immediately with lots of water. Immediately remove contaminated clothing. Continue washing skin for at least 20 minutes. Obtain medical attention if blistering occurs or redness persists.
INHALATION:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by

INGESTION:

administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately. Keep warm and at rest. 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.

UNUSUAL FIRE & EXPLOSION HAZARDS: May explode in a fire. May form explosive or toxic mixtures with air. May travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/vapours/fumes of carbon monoxide (CO), acetic acid, carbon dioxide (CO₂)

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb in vermiculite, dry sand or earth and place in containers.

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. Avoid acids, moisture and combustible materials. 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. Ground container and transfer equipment to eliminate static electric sparks.

STORAGE CRITERIA: Flammable liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

INGREDIENT NAME	CAS NO.	STD	LT EXP (8 hrs)	ST EXP (15 min)
ISOPROPNOL	67-63-0	OES	400 ppm	500 ppm
ISOPROPYL ACETATE	108-21-4	OES	No std.	200 ppm
ACETONE	67-64-1	OES	750 ppm	1500 ppm
ALIPHATIC HYDROCARBON	64741-84-0	SUP	1000 mg/m ³	



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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

COLOUR: colourless
APPEARANCE: liquid
ODOUR/TASTE: alcohol/ester
SOLUBILITY DESCRIPTION: partially miscible with water

SPECIFIC GRAVITY (Water=1): 0.82 @ 15 de g C

EVAPORATION RATE(BuAc=1):5.0

VISCOSITY (20 deg C): 0.55 cP

FLASH POINT: -18 deg C

FLASH POINT METHOD: CC (Closed cup)

10. STABILITY AND REACTIVITY:

STABILITY: Normally stable. Avoid heat, sparks, flames, air and oxidisers. Hygroscopic.
MATERIALS TO AVOID: Strong oxidizing agents.
CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers. Avoid exposure to water or moisture.
HAZARDOUS DECOMPOSITION PRODUCTS: Fire creates oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE I-LD50: 3000 mg/kg (oral rat)

HEALTH WARNINGS: Gas or vapour is harmful on prolonged exposure or in high concentration. This chemical may cause skin/eye irritation and burns (corrosive). Irritant of eyes and mucous membranes. Toxic through skin absorption (percutaneous). Narcotic effect. CNS depressant.

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. May cause suffocation. Skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioural changes. Hypertension (low blood pressure). Dizziness.

ACUTE AND CHRONIC HEALTH HAZARDS: Liver and/or kidney damage. Unconsciousness, death.

TOXICOLOGICAL INFORMATION: Slightly irritating to the eyes and respiratory system.

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL HAZARDS: Very mobile product in soils. EC50 (daphnia magna) 24h : 1260 mg/l EC50 (Pseudomonas) 16h : 190 mg/l.

Acute fish toxicity.

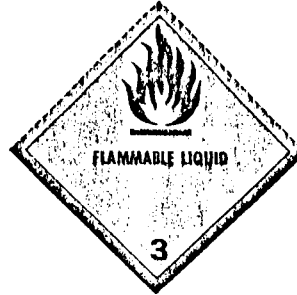
13. DISPOSAL CONSIDERATIONS:

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.

14. TRANSPORT INFORMATION:

ROAD:
UN No: 1263
HAZCHEM CODE: 3YE
ADR CLASS 3
ADR HAZARD NO: 33 Highly Flammable Liquid Flash Point below 20 deg C

LABEL FOR CONVEYANCE:

**15. REGULATORY INFORMATION:**

LABEL FOR SUPPLY:



RISK PHRASES:	R-11	Highly Flammable
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-33	Take precautionary measures against static discharges
	S-23	Do not breathe vapour

16. OTHER INFORMATION:

USER NOTES: For further Health and Safety Information contact:

DAVID MUIRHEAD

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