

Acryl Liquid



1 Commercial Product Name and Company

Identification on the Label/Trade name

Acryl Liquid

Use of the Substance/Preparation

Cosmetics/ Personal Care

Manufacturer

IDoBeauty LTD

Samuel Crompton House,

Unit 3 PT 1st Floor

33-37, Bury Old Rd,

Bolton,

Lancashire

BL2 2AY

England

Phone: +44 (0)1204-395111

Internet: www.idobeauty4u.co.uk

Informing contact

In Phone: +44 (0)1204-395111

Samuel Crompton House,

Unit 3 PT 1st Floor

33-37, Bury Old Rd,

Bolton,

Lancashire

BL2 2AY

E-Mail: ido beauty@btconnect.com

For Chemical Emergency

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2 Possible Hazards

Categorization:

Highly flammable.

Irritant.

Hazard symbols



R-Phrases

Highly flammable.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by skin contact.

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3 Composition / Information on Ingredients

Chemical characterization: Preparation

Preparation of organic components

CAS-No.	EG-No.	Designation	Contains %	Classification
97-63-2	202-597-5	Ethyl methacrylate	75-80	F, Xi; R11 – R36/37/38 – R43
27813-02-1	248-666-3	Hydroxy propyl methacrylate	10-15	Xi; R36 - R43

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109-17-1	203-653-1	PEG-4 Dimethacrylate	5-10	Xi; R 36/38
99-97-8	202-805-4	Dimethyltolylamine	0-1	-
81-48-1	201-353-5	CI 60725	0-1	-
3844-45-9	223-339-8	CI 42090	0-1	-

4 First Aid Measures

Inhalation: Remove to fresh air. If having breathing difficulties, give oxygen. If breathing has stopped, give artificial respiration. Get medical help if discomfort persists.

Skin: Wash thoroughly with water and soap. Remove contaminated clothing and wash before reuse. Seek medical attention if discomfort persists.

Eye: Flush with water for 15 minutes, including under eyelids. Seek medical help if discomfort persists.

Ignition: Rinse mouth with water. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person. Seek medical attention.

5 Fire Fighting Measures

Suitable extinguishing media: Foam, carbon dioxide, dry extinguishing agents or carbon tetrachloride

Unsuitable extinguishing media: Water with a full water jet.

Special hazards:

Vapours may travel to source of ignition and flash back. Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

Hazardous combustion products: No information

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and complete protective equipment.

Additional information: Use water spray to cool endangered containers.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Eliminate all sources of heat or ignition. Place containers in a well-ventilated area. Keep unprotected and unnecessary personnel away. Use non-sparking tools and equipment.

Environmental precautions: Do not flush to sewer. In the EU observe regulation 98/24/EC.

Methods and material for containment and cleaning-up:

Collect liquid in an appropriate container or absorb it with inert material (e.g. vermiculite, dry sand, earth) and place it in a chemical waste container. Do not use combustible materials, such as sawdust.

7 Handling and Storage

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use with adequate ventilation. Ground all metal containers when transferring and use explosion-proof equipment.

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Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash skin thoroughly after handling.

Fire and explosion protection:

Keep away from heat, sparks, flames and other sources of ignition.

Storage: Store in a cool, dry area. Keep container closed when not in use. Store at ambient temperatures out of direct sunlight. Store in a well-ventilated place. Store in accordance with national fire protection recommendations. Maintain air space inside storage containers. Inhibitor requires air contact to function. Check inhibitor levels after three months and return to original level.

8 Exposure Controls / Personal Protection

Hand protection: Impermeable gloves (Neoprene).

Eye protection: Wear safety glasses. Wear tightly sealed safety glasses when there is the possibility of splashing material. Provide eye wash stations and safety showers.

Body protection: Use impermeable clothing. Neoprene and nitril rubber is better than PVC.

Respiratory: In case of insufficient ventilation, a respiratory mask (filter type A) is recommended.

Additional information:

Use process enclosures, local exhaust ventilation or other engineering controls to control concentrations in the air. Use explosion-proof ventilation equipment.

9 Physical and Chemical Properties

General information

Form	Fluid
Colour	blue-violet
Smell	sharp ester-like odour

Melting point	Not investigated
Boiling point	117 °C
Flash point	20 °C
Ignition temperature	392,8 °C
Self-inflammability	Not available
Critical values for explosion	
Lower	2 Vol.-%
Upper	2,5 Vol.-%
Vapour pressure at 20 °C	(mm Hg at 38 °C) 0,69
Relative Density at 20 °C	0,96 (H ₂ O = 1)
Solubility in/Miscibility with Water at 20 °C	0,5 g/100g
Segregation coefficient (n-Octanol/Water)	1,25 log P _{o/w}
Viscosity dynamic at 20 °C	<1mPas
Volatility (w/w %)	99+

10 Stability and Reactivity

Stability: Stable.

Conditions to avoid: Temperatures above 15,6 °C, oxidizing or reducing agents, peroxides and amines, storage in absence of inhibitor and inadvertent addition of catalyst

Materials to avoid: Reducing and oxidizing agents and UV light

Hazardous decomposition products: Oxides of carbon

Hazardous polymerization: May occur.

11 Toxicological Information

Acute toxicity:

LD/LC 50 values relevant for classification		
oral	LD 50 (rat)	13300 mg/kg
dermal	LD 50 (rabbit)	9100 mg/kg
inhalative	LD 50 (rabbit)	3800 ppm

Irritation: No data available

Sensitization: No data available

Mutagenicity: Test positive as a mutagen on laboratory animals.

Additional toxicological information:

Since this product contains a very low concentration of active components, the primary toxicological information is derived from the monomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

12 Ecological Information

Ecotoxicity: No data available.

Persistence and degradability: No data available

Behaviour in environmental systems:

Mobility and bioaccumulation potential: No data available.

Aquatic toxicity: No data available.

Additional information:

The ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, waste water or soil.

Behaviour in sewage processing plants: No data available.

13 Disposal Considerations

Disposal Methods:

Dispose of diking materials and absorbent in compliance with State, Federal and local regulations.

Residual vapours may explode on ignition. Do not cut, drill or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

Whatever cannot be saved as recovery or recycling should be handled as hazardous waste and send to a waste facility.

Appropriate disposal / package:

Dispose of container and unused contents in accordance with State, Federal and local disposal regulations.

14. Transport Information

ADR/RID

UN-Number: UN 1993

Class: 3

Packing group: II

Proper shipping name: Flammable liquid, n. o. s. (Ethyl methacrylate mixture)

IMDG

UN-Number: UN 1993

Class: 3

Packing group: II

EMS-No: -

Proper shipping name: Flammable liquid, n. o. s. (Ethyl methacrylate mixture)

Marine Pollutant: yes

IATA

UN-Number: UN 1993

Class: 3

Packing group: II

Proper shipping name: Flammable liquid, n. o. s. (Ethyl methacrylate mixture)

15 Regulatory Information

Irritant.

Highly flammable.

Risk phrases:

11 Highly flammable.

36/37/38 Irritating to eyes, respiratory system and skin.

43 May cause sensitisation by skin contact.

Safety phrases:

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition – no smoking.

29 Do not empty into drains.

33 Take precautionary measures against static discharges.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National regulations

Water hazard class 1 (Self-assessment in accordance with German regulation VwVWS): slightly hazardous for water.

16. Other Information

Relevant Risk phrases:

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- 11 Highly flammable.
 - 36/37/38 Irritating to eyes, respiratory system and skin.
 - 36/38 Irritating to eyes and skin.
 - 43 May cause sensitisation by skin contact.

The information in this safety data sheet is composed to the best of knowledge and is in accordance with the state of knowledge at the revision date. However, it does not guarantee any compliance of certain properties for the purpose of legal commitment.