



## SAFETY DATA SHEET LIQUIDATE GEL

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME** LIQUIDATE GEL

**PRODUCT NO.** LIQUID

**APPLICATION** For use in the printing and allied industries only.

**SUPPLIER** Ultrachem Ltd.  
Euro House  
1394 - 1400 High Road  
Whetstone, London. N20 9UL  
England  
Tel. +44 (0) 20 8446 8263  
Fax. +44 (0) 20 8446 4789  
Email: info@ultrachem.co.uk

**EMERGENCY TELEPHONE** + 44 (0) 113 2872600

### 2 HAZARDS IDENTIFICATION

Flammable.

**CLASSIFICATION (1999/45)** R10.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ETHANOL	200-578-6	64-17-5	60-100%	F;R11

The Full Text for all R-Phrases are Displayed in Section 16

### COMPOSITION COMMENTS

Hand Wash

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

#### INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

#### SKIN CONTACT

Remove contaminated clothing. Rinse with water. Contact physician if discomfort continues.

#### EYE CONTACT

Immediately rinse with water. Continue to rinse for at least 15 minutes. Get medical attention immediately!

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemicals, sand, dolomite etc. Water spray.

#### SPECIAL FIRE FIGHTING PROCEDURES

Wear self contained breathing apparatus. Keep run-off water out of sewers and water sources. Dike for water control.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

May emit toxic fumes if burnt. Solvent vapours may form explosive mixtures with air.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

For personal protection, see section 8.

#### ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

# LIQUIDATE GEL

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. For waste disposal, see section 13.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Provide good ventilation. Avoid inhalation of vapours. Avoid contact with eyes.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry, cool and well-ventilated place.

**STORAGE CLASS**

Flammable liquid storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m3			

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits SUP = Supplier's recommendation.

**PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS**

Provide eyewash station. Take precautionary measures against static discharges.

**ENGINEERING MEASURES**

Provide sufficient ventilation during operations which cause vapour formation.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

**HAND PROTECTION**

Chemical resistant gloves required for prolonged or repeated contact.

**EYE PROTECTION**

Wear approved chemical safety goggles where eye exposure is reasonably probable.

**OTHER PROTECTION**

Use engineering controls to reduce air contamination to permissible exposure level.

**HYGIENE MEASURES**

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. **DO NOT SMOKE IN WORK AREA!**

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	Coloured gel		
<b>COLOUR</b>	Silver Grey		
<b>ODOUR</b>	Odour of alcohol		
<b>SOLUBILITY</b>	Miscible with water		
<b>BOILING POINT (°C)</b>	78 - 100	<b>MELTING POINT (°C)</b>	<0
<b>RELATIVE DENSITY</b>	0.87 @ 15 °c	<b>VAPOUR PRESSURE</b>	5.81 kPa @ 20 °c
<b>pH-VALUE, CONC. SOLUTION</b>	N/A	<b>FLASH POINT (°C)</b>	>23 CC (Closed cup).
<b>AUTO IGNITION TEMPERATURE (°C)</b>	>200	<b>FLAMMABILITY LIMIT - LOWER(%)</b>	3.3
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	19.0	<b>VOLATILE ORGANIC COMPOUND (VOC)</b>	100 % w/w

**10 STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions.

# LIQUIDATE GEL

## CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

## MATERIALS TO AVOID

Strong acids. Strong oxidising substances.

## HAZARDOUS DECOMPOSITION PRODUCTS

Non known

## 11 TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

### INHALATION

Vapour from this chemical can be hazardous when inhaled. Vapours may cause drowsiness and dizziness.

### INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

### SKIN CONTACT

Skin irritation is not anticipated when used normally.

### EYE CONTACT

May cause severe irritation to eyes.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Do not discharge into drains, water courses or onto the ground.

### BIOACCUMULATION

The product is not bioaccumulating.

### DEGRADABILITY

The product is expected to be biodegradable.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies. Treat as hazardous waste

### WASTE CLASS

14 06 03

## 14 TRANSPORT INFORMATION



### PROPER SHIPPING NAME

Alcohols N.O.S. (Contains Ethyl Alcohol)

### UN NO. ROAD

1987

### ADR CLASS NO.

F1

### ADR CLASS

Class 3: Flammable liquids.

### ADR PACK GROUP

III

### TUNNEL RESTRICTION CODE

(D/E)

### CEPIC TEC(R) NO.

30G35

### UN NO. SEA

1987

### IMDG CLASS

3

### IMDG PACK GR.

III

### EMS

F-E, S-D

### MARINE POLLUTANT

No.

### UN NO. AIR

1987

### AIR CLASS

3

### AIR SUB CLASS

None

### AIR PACK GR.

III

## 15 REGULATORY INFORMATION

### RISK PHRASES

R10 Flammable.

### SAFETY PHRASES

S51 Use only in well-ventilated areas.

# LIQUIDATE GEL

S60

This material and its container must be disposed of as hazardous waste.

## UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations. Chemicals (Hazard Information & Packaging) Regulations (CHIP). European Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). European Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP), adopting in the EU the Globally Harmonised System (GHS).

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

## 16 OTHER INFORMATION

**REVISION DATE** 24/07/07

**REV. NO./REPL. SDS GENERATED** 1

**SDS NO.** 392

## RISK PHRASES IN FULL

R11 Highly flammable.

## DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.