



## SAFETY DATA SHEET FOTOTEX UV MATT

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

<b>PRODUCT NAME</b>	FOTOTEX UV MATT		
<b>CHEMICAL NAME</b>	Complex mixture of acrylated oligomers and monomers with photoinitiators and inert fillers		
<b>APPLICATION</b>	Texturising screenprintable lacquer		
<b>SUPPLIER</b>	MacDermid Autotype Ltd. Grove Road, Wantage, Oxon, OX12 7BZ, UNITED KINGDOM T: +44 (0) 1235 771111 F: +44 (0) 1235 771196	<b>MANUFACTURER</b>	MacDermid Autotype Ltd. Grove Road, Wantage, Oxon, OX12 7BZ, UNITED KINGDOM T: +44 (0) 1235 771111 F: +44 (0) 1235 771196
<b>CONTACT PERSON</b>	Dr. M. A. Seaborne		
<b>EMERGENCY TELEPHONE</b>	+44 (0) 208 7628322		

### 2 HAZARDS IDENTIFICATION

Harmful in contact with skin. Irritating to eyes. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**CLASSIFICATION** Xn;R21. Xi;R36. R43. N;R51/53.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
URETHANE ACRYLATE OLIGOMER			10-30%	Xi;R36. N;R51/53. R43.
ACRYLATED RESIN			10-30%	Xi;R36.
BENZOPHENONE		119-61-9	1-5%	N;R50/53.
(1-METHYL-1,2-ETHANEDIYL)bis[OXY(METHYL-2,1-ETHANEDIYL)] DIACRYLATE	256-032-2	42978-66-5	1-5%	R43 Xi;R36/37/38 N;R51/53
PENTAERYTHRITOL TETRAACRYLATE	225-644-1	4986-89-4	1-5%	R43 Xi;R36/38
2-HYDROXYETHYL METHACRYLATE	212-782-2	868-77-9	< 1%	R43 Xi;R36/38
2-HYDROXYETHYL ACRYLATE	212-454-9	818-61-1	< 1%	T;R24 C;R34 R43 N;R50

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

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Remove affected person from source of contamination.

#### INHALATION

Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped.

#### INGESTION

Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately!

#### SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water.

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

### 5 FIRE-FIGHTING MEASURES

## FOTOTEX UV MATT

### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours.

### UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

### SPECIFIC HAZARDS

By fire, toxic gases may be formed (COx, NOx).

### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing.

### ENVIRONMENTAL PRECAUTIONS

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

### SPILL CLEAN UP METHODS

Ventilate well. Absorb spillage with suitable absorbent material. Collect in containers and seal securely.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid contact with skin and eyes. Mechanical ventilation or local exhaust ventilation is required. Avoid inhalation of vapours.

### USAGE DESCRIPTION

Refer to Product Data Sheet and Usage Instructions

### STORAGE PRECAUTIONS

Store in closed original container at temperatures between 0°C and 30°C. Keep away from direct sunlight, heat or chemical contamination

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

### HAND PROTECTION

Nitrile gloves are recommended.

### EYE PROTECTION

Wear approved safety goggles.

### HYGIENE MEASURES

Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### PERSONAL PROTECTION

Wear suitable protective overalls.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Opaque Viscous Liquid
COLOUR	White / off-white
ODOUR	Acrylic

**FOTOTEX UV MATT**

<b>SOLUBILITY</b>	Insoluble in water		
<b>BOILING POINT (°C)</b>	>100	<b>MELTING POINT (°C)</b>	N/A
<b>RELATIVE DENSITY</b>	1.2 20	<b>VAPOUR DENSITY (air=1)</b>	N/A
<b>VAPOUR PRESSURE</b>	N/A	<b>pH-VALUE, CONC. SOLUTION</b>	N/A
<b>pH-VALUE, DILUTED SOLUTION</b>	N/A	<b>VISCOSITY</b>	50-200 Ps 25
<b>FLASH POINT (°C)</b>	>80	<b>AUTO IGNITION</b>	N/A
<b>FLAMMABILITY LIMIT - LOWER(%)</b>	N/A	<b>TEMPERATURE (°C)</b>	
<b>VOLATILE ORGANIC COMPOUND (VOC)</b>	<0.3 g/litre	<b>FLAMMABILITY LIMIT - UPPER(%)</b>	N/A

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under the prescribed storage conditions.

**CONDITIONS TO AVOID**

Avoid exposure to high temperatures or direct sunlight.

**HAZARDOUS POLYMERISATION**

May polymerise.

**POLYMERISATION DESCRIPTION**

Avoid heat.

**MATERIALS TO AVOID**

Strong oxidising substances. Iron, copper, oxygen scavengers

**HAZARDOUS DECOMPOSITION PRODUCTS**

During fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) are formed.

**11 TOXICOLOGICAL INFORMATION**

**TOXIC DOSE 1 - LD 50** TPGDA >2000 mg/kg (oral rat)

**TOXIC DOSE 2 - LD 50** Benzophenone >2000 mg/kg (oral rat)

**INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

May cause discomfort if swallowed.

**SKIN CONTACT**

Irritating to skin. Risk of sensitisation or allergic reactions among sensitive individuals.

**EYE CONTACT**

Irritating to eyes.

**TARGET ORGANS**

Eyes. Skin.

**MEDICAL SYMPTOMS**

Skin irritation. Irritation of eyes and mucous membranes.

**MEDICAL CONSIDERATIONS**

Skin disorders and allergies.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**LC 50, 96 Hrs, FISH mg/l** Benzophenone 15.3

**EC 50, 48 Hrs, DAPHNIA, mg/l** Benzophenone V. Toxic

**BIOACCUMULATION**

The product contains potentially bioaccumulating substances.

**13 DISPOSAL CONSIDERATIONS**

# FOTOTEX UV MATT

## GENERAL INFORMATION

Waste to be treated as hazardous waste

## DISPOSAL METHODS

Contact specialist disposal companies.

## WASTE CLASS

EWC 08 03 12

## 14 TRANSPORT INFORMATION



<b>UK ROAD CLASS</b>	9		
<b>PROPER SHIPPING NAME</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (ACRYLATE OLIGOMERS)		
<b>UN NO. ROAD</b>	3082	<b>UK ROAD PACK GR.</b>	III
<b>ADR CLASS NO.</b>	9	<b>ADR CLASS</b>	Class 9: Other dangerous substances.
<b>ADR PACK GROUP</b>	III	<b>HAZARD NO. (ADR)</b>	90 Environmentally hazardous substance; miscellaneous dangerous substances.
<b>ADR LABEL NO.</b>	No.9	<b>HAZCHEM CODE</b>	3Z
<b>CEFIC TEC(R) NO.</b>	90GM6-III	<b>RID CLASS NO.</b>	9
<b>RID PACK GROUP</b>	III	<b>UN NO. SEA</b>	3082
<b>IMDG CLASS</b>	9	<b>IMDG PACK GR.</b>	III
<b>EMS</b>	F-A, S-F	<b>MARINE POLLUTANT</b>	



<b>UN NO. AIR</b>	3082	<b>AIR CLASS</b>	9
<b>AIR PACK GR.</b>	III		

## 15 REGULATORY INFORMATION

### LABELLING



Harmful



Dangerous for the environment

### CONTAINS

URETHANE ACRYLATE OLIGOMER  
(1-METHYL-1,2-ETHANEDIYL)bis[OXY(METHYL-2,1-ETHANEDIYL)] DIACRYLATE  
PENTAERYTHRITOL TETRAACRYLATE  
2-HYDROXYETHYL ACRYLATE

### RISK PHRASES

R21	Harmful in contact with skin.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### SAFETY PHRASES

S23	Do not breathe vapour/spray.
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**FOTOTEX UV MATT**

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S36/37	Wear suitable protective clothing and gloves.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

**16 OTHER INFORMATION**

**REVISION DATE** 14/08/2008

**REV. NO./REPL. SDS  
GENERATED** 3

**RISK PHRASES IN FULL**

R24	Toxic in contact with skin.
R34	Causes burns.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.