

SAFETY DATA SHEET

UV MATT LACQUER 3601

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME UV MATT LACQUER 3601
 PRODUCT NO. 3601
 APPLICATION UV Curing Lacquer
 SUPPLIER STEHLIN HOSTAG INK UK LTD
 UNIT D4 LINKMEL CLOSE
 QUEENS DRIVE INDUSTRIAL ESTATE
 NOTTINGHAM
 NG2 1NA
 Tel : 0115 9860477
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2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|--|-----------|---------|---------|------------------------------|
| (1-methyl-1, 2-ethanediy) bis [oxy (methyl-2, 1-ethandiy)] di-acrylate | 256-032-2 | | 7-10% | Xi;R36/37/38. N;R51/53. R43. |
| BDK - Benzildimethylketal, 2,2-Dimethoxy-1, 2-diphenylethan-1-on | 246-386-6 | | <2.5% | N;R51/53. |
| Glycerol, propoxylated, esters with acrylic acid | | | 80-90% | Xi;R36. |
| Polyamine Salt | | | <2.5% | Xi;R38. |

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

3 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xi;R36. R43. R52/53.

4 FIRST-AID MEASURES

GENERAL INFORMATION

When symptoms persist or in all cases of doubt seek medical advice. Do not give victim anything to drink if they are unconscious.

INHALATION

Provide rest, warmth and fresh air. Perform artificial respiration if breathing has stopped. Give nothing by mouth Place unconscious person on the side in the recovery position and ensure breathing Get medical attention.

INGESTION

DO NOT induce vomiting. Get medical attention immediately. Keep at rest

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser Do NOT use solvents or thinners In cases of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light, which may increase the sensitivity of the skin.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical advice. In cases of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light, which may increase the sensitivity of the eyes.

UV MATT LACQUER 3601

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

Run off from fire must not enter drains. Fire will produce clouds of dense black smoke.

SPECIFIC HAZARDS

Exposure to hazardous decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Exclude sources of ignition. Provide adequate ventilation. Do not breathe vapour. Refer to protective measures listed in sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the National Rivers Authority or other appropriate regulatory body. Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Dam and absorb spillages with sand, earth or other non-combustible material. Clean area with a detergent- avoid the use of solvents. Collect in containers which can be sealed for disposal according to local authority regulations Forward for disposal

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Persons with a history of skin sensitisation problems should not be employed in any process in which this lacquer is used. Provide good ventilation. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this product. Never use pressure to empty, container is not a pressure vessel. Do not eat, drink or smoke when using the product. Comply with health and safety at work laws. Keep away from heat, sparks and open flame.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Store between 25 and 35c in a dry, well ventilated place away from sources of heat and direct sunlight. No smoking Containers which are open must be carefully resealed and kept upright to prevent leakage. Keep away from oxidising agents, strongly alkaline and strongly acid materials. Exclude sources of ignition.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

RESPIRATORY EQUIPMENT

If the occupational exposure limits can't be met, in exceptional cases suitable respiratory protection should be worn only for a short period of time. In situations where misting or flying may occur use appropriate certified respirators.

HAND PROTECTION

Polyethylene or polypropylene gloves with textile undergloves are required. PVC or rubber gloves are not recommended. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred.

EYE PROTECTION

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

SKIN PROTECTION

Protective clothing should be worn.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------|-----------------|
| APPEARANCE | Viscous liquid |
| COLOUR | Light (or pale) |
| ODOUR | Characteristic |

UV MATT LACQUER 3601

| | | | |
|------------------|--------------------|-----------|-------------------------|
| SOLUBILITY | Insoluble in water | | |
| RELATIVE DENSITY | 1.05 | VISCOSITY | 85s @ 23c 4mm DIN 53211 |
| FLASH POINT (°C) | >100 DIN 53213 | | |

10 STABILITY AND REACTIVITY

STABILITY

This lacquer contains materials which are unstable under the following conditions: exposure to heat, strong UV sources, free radical initiators, peroxides, strong alkalis or reactive metals. These could cause the product to polymerise exothermically. Unintentional contact with them should be avoided.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

There is no data available for the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details

Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis etc. Cases of allergic skin reactions have been observed.

INHALATION

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

INGESTION

May cause nausea, weakness and central nervous system effects.

EYE CONTACT

Splashes may irritate.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Do not allow to enter drains or water courses.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Dispose according to local authority instructions

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground.

WASTE CLASS

080111 Waste paint and varnish containing organic solvents or other dangerous substances.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

LABELLING



Irritant

CONTAINS

(1-methyl-1, 2-ethanediyl) bis [oxy (methyl-2, 1-ethandiyl)] di-acrylate

RISK PHRASES

R36 Irritating to eyes.
R43 May cause sensitisation by skin contact.

UV MATT LACQUER 3601

| | | |
|----------------|--------|---|
| SAFETY PHRASES | R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| | S24 | Avoid contact with skin. |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| | S37 | Wear suitable gloves. |
| | S51 | Use only in well-ventilated areas. |
| | S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC.

GUIDANCE NOTES

Classification Packaging and Labelling of Dangerous Substances Regulations

16 OTHER INFORMATION

GENERAL INFORMATION

This product conforms to the BCF guidelines on Acrylate Preference Criteria.

REVISION COMMENTS

Re-issued due to changes in most sections

ISSUED BY

Paul R Hayden

REVISION DATE 09/03/05

SDS NO. 5/009

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

| | |
|-----------|---|
| R36 | Irritating to eyes. |
| R36/37/38 | Irritating to eyes, respiratory system and skin. |
| R38 | Irritating to skin. |
| R43 | May cause sensitisation by skin contact. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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.