



SAFETY DATA SHEET — In accordance with the legislation of 91/155/EEC

REF: EULX680

Printing date: 14 November, 2000 Revision date: 14, February, 2001

Product name: ULANO LX680

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

PRODUCT NAME: ULANO LX680

SUPPLIER:

ULANO CORPORATION
110 THIRD AVENUE
BROOKLYN, NY 11217, U. S. A.
TEL.: +1-718 237-4700

EU INF. ADDR.:

ULANO INTERNATIONAL (V.I.) INC.
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CH-8952 SCHLIEREN-ZUERICH/SWITZERLAND
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EMERGENCY TELEPHONE NUMBER

CHEMTREC: +1-7035273887 (reverse-charge calls accepted)

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NATURE OF THE PREPARATION

Aqueous photo emulsion for screen printing.

HAZARDOUS COMPONENTS

CAS-NO.	NAME	CONC. RANGE	HAZ. SYMBOLS	SR-PHRASES
28961-43-5	ethoxylated trimethylolpropane triacrylate ester	>2.5, <10%	Xi	36/38-43
-----	polyurethane acrylate	>2.5%, <10%	Xi	36/38-43

3. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS

none known.

SPECIFIC HAZARDS

Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes.

4. FIRST AID MEASURES

GENERAL ADVICE

Take off all contaminated clothing immediately.

INHALATION

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

If symptoms persist, call a physician.

SKIN CONTACT

Wash off with soap and plenty of water.

EYE CONTACT

Rinse thoroughly with plenty of water, also under the eyelids.

If symptoms persist, call a physician.

INGESTION

Allow patient to vomit by him/herself.

Call a physician immediately.

Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Use extinguishing measures appropriate for surrounding materials that are burning.

The product itself does not burn.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS

High volume water jet.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

No special precautions required.

In case of hazardous fumes, wear a self-contained breathing apparatus.

OTHER DATA

Cool containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Note: The personal and environmental precautions provided below apply to accidental releases of larger quantities. For regular product handling follow the respective application instructions or consult your technical representative.

PERSONAL PRECAUTIONS

Ensure adequate ventilation.

Use personal protective equipment.

Remove all sources of ignition.

ENVIRONMENTAL PRECAUTIONS

Should not be released into the environment.

Do not flush into surface water or sanitary sewer system.

METHODS FOR CLEANING UP

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

7. HANDLING AND STORAGE**HANDLING****SAFE HANDLING ADVICE**

Ensure adequate ventilation, especially in confined areas.

PROTECTIVE MEASURES AGAINST FIRE AND EXPLOSION

No special protective measures against fire or explosion required.

STORAGE**TECHNICAL MEASURES/STORAGE CONDITIONS**

Keep in a dry, cool place.

INCOMPATIBLE PRODUCTS

Incompatible with oxidizing agents.

FURTHER INFORMATION

Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**EXPOSURE CONTROLS****ENGINEERING MEASURES TO REDUCE EXPOSURE**

Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTION**GENERAL PROTECTION MEASURES**

Wash hands before breaks and at the end of workday.

Remove and wash contaminated clothing and gloves, including the inside, before re-use.

RESPIRATORY PROTECTION

Not required; except in case of aerosol formation.

HAND PROTECTION

protective gloves

EYE PROTECTION

safety glasses with side-shields

SKIN AND BODY PROTECTION

It is good practice in industrial hygiene to avoid contact by using appropriate protective measures whenever possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: liquid - viscous

COLOUR: blue

ODOUR: mild

CHANGE IN PHYSICAL STATE

BOILING POINT 100 °C

FLASH POINT: n. a.

FLAMMABILITY (SOLID, GAS): n. a.

IGNITION TEMPERATURE: n. a.

AUTOIGNITION TEMPERATURE: n. a.

VAPOUR PRESSURE (@ 25 °C): 23.3 mbar

RELATIVE DENSITY: > 1 g/ml

EXPLOSION LIMITS: LOWER (VOL. %): n. a. **UPPER (VOL. %):** n. a.

SOLUBILITY IN WATER (@ 20 °C): dispersible

pH(@ g/l H₂O): 4.2-5.8

10. STABILITY AND REACTIVITY**MATERIALS TO AVOID**

oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

None under normal use.

11. TOXICOLOGICAL INFORMATION**HUMAN EXPERIENCE**

If appropriately handled and in accordance with the general hygienic rules, no damage to health is known.

Avoid contact with the skin and the eyes.

FURTHER INFORMATION

Prolonged exposure may cause local irritation of skin and mucous membranes, especially to the eyes.

12. ECOLOGICAL INFORMATION

Note: The environmental precautions provided below apply to accidental releases of larger quantities. For regular product handling follow the respective application instructions or consult your technical representative.

FURTHER INFORMATION

Do not flush into surface water or sanitary sewer system.

Slightly water contaminating.

Ecological injuries are not known or expected under normal use.

13. DISPOSAL CONSIDERATIONS**WASTE FROM RESIDUES / UNUSED PRODUCTS**

Where possible recycling is preferred to disposal or incineration.

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

CONTAMINATED PACKAGING

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**FURTHER INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**CLASSIFICATION**

According to EU regulations the product is to be labelled as follows:

Xi - Irritant

HAZARDOUS COMPONENT(S) FOR LABELLING

Contains:

ethoxylated trimethylolpropane triacrylate ester

polyurethane acrylate

R-PHRASES

R36/38 - Irritating to eyes and skin.

R43 - May cause sensitization by skin contact.

S-PHRASES

S24 - Avoid contact with skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 - Wear suitable gloves and eye/face protection.



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16. OTHER INFORMATION

The data of items 4 to 8 and 10 to 12, in part, do not refer to the regular use of the product, but to the release of major amounts in case of accident or other irregularities. For regular product handling follow the respective application instructions or consult your technical representative.

(n. a. - not applicable, n. d. - not determined)

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. It does not constitute a guarantee for the characteristics of the described product(s) as defined by the legal warranty regulations. The delivery specifications are contained in the corresponding product information sheets.