

**Material Safety Data Sheet**  
According to 91/155 EEC

HS Graphic Arts

Printing date 04.10.2006

Reviewed on 12.09.2006

**1 Identification of the substance/preparation and of the company/undertaking**

· **Product details**

- **Trade name:** ULANO WALK AWAY HAZE REMOVER
- **Application of the substance / the preparation** Preparation for screen printing

· **Manufacturer/Supplier:**  
ULANO CORPORATION  
110 THIRD AVENUE  
BROOKLYN, NY 11217, U.S.A.  
TEL.: +1.718 237-4700

EU INF  
ULANO INTERNATIONAL (V.I.) INC.  
RUETISTRASSE 17  
CH-8952 SCHLIEREN-ZUERICH/SWITZERLAND  
TEL.: +41.44.755.44.77  
FAX: +41.44.773.16.06




- **Further information obtainable from:** ULANO CORPORATION (USA): Dir. F. Widman
- **Information in case of emergency:** CHEMTREC (USA): +1-7035273887 (reverse-charge calls accepted)

**2 Composition/information on ingredients**

· **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

|                   |  |        |
|-------------------|--|--------|
| CAS: 6834-92-0    | disodium metasilicate  | 5-10%  |
| EINECS: 229-912-9 |  C,  Xi; R 34-37 |        |
| CAS: 7681-52-9    | sodium hypochlorite, solution  | 0.5-5% |
| EINECS: 231-668-3 |  Xi; R 31-36/38   |        |

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification**

· **Hazard description:**



Xi Irritant

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 36/38 Irritating to eyes and skin.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**4 First-aid measures**

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

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- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

#### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.
- **Protective equipment:** No special measures required.

#### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

#### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Apron

## 9 Physical and chemical properties

- **General Information**

|                |                      |
|----------------|----------------------|
| <b>Form:</b>   | Liquid               |
| <b>Colour:</b> | Light                |
| <b>Odour:</b>  | Weak, characteristic |

- **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 100°C

- **Flash point:** Not applicable.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** ca. 1 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Dispersible.
- **pH-value:** 13

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Materials to be avoided:** Strong oxidizing agents.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon monoxide and carbon dioxide

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### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
7681-52-9 sodium hypochlorite, solution  
Oral LD50 5800 mg/kg (mouse)
- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 12 Ecological information

- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**  
Xi Irritant

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**· Hazard-determining components of labelling:**

disodium metasilicate

**· Risk phrases:**

36/38 Irritating to eyes and skin.

**· Safety phrases:**

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

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).

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

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**· Relevant R-phrases**

31 Contact with acids liberates toxic gas.

34 Causes burns.

36/38 Irritating to eyes and skin.

37 Irritating to respiratory system.