

**Safety data sheet**  
according to 1907/2006/EC, Article 31




Printing date 14.03.2011

Revision: 14.03.2011

\* **1 Identification of the substance/mixture and of the company/undertaking**

- . **Product identifier**
- . **Trade name** **OMEGA 1 INK - YELLOW**
- . **Relevant identified uses of the substance or mixture and uses advised against**
- . **Application of the substance / the preparation** *Printing inks*
- . **Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**  
*Durst Phototechnik  
Julius-Durst-Str. 11  
A-9900 Lienz, Austria  
Tel. +43 4852 71 777*
- . **Informing department:** *office@durst-online.at*
- . **Emergency telephone number:** *Tel. +43 4852 71 777*

**2 Hazards identification**

- . **Classification of the substance or mixture**
  - . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 *Xi; Irritant*  
*R36/38: Irritating to eyes and skin.*
  - .  *Xi; Sensitising*  
*R43: May cause sensitisation by skin contact.*  
*R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
  - . **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.*
  - . **Classification system:**  
*The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.*
- 
- . **Label elements**
  - . **Labelling according to EU guidelines:**  
*The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)*
  - . **Code letter and hazard designation of product:**  
 *Xi Irritant*
  - . **Hazard-determining components of labelling:**  
*2,2-bis(acryloyloxymethyl)butyl acrylate*
  - . **Risk phrases:**  
*36/38 Irritating to eyes and skin.*  
*43 May cause sensitisation by skin contact.*  
*52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
  - . **Safety phrases:**  
*23 Do not breathe fumes/aerosol.*  
*24 Avoid contact with skin.*  
*26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*  
*37 Wear suitable gloves.*  
*60 This material and its container must be disposed of as hazardous waste.*  
*61 Avoid release to the environment. Refer to special instructions/safety data sheets.*
  - . **Other hazards**
  - . **Results of PBT and vPvB assessment**
  - . **PBT:** *Not applicable.*

(Contd. on page 2)

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(Contd. of page 1)

. **vPvB:** Not applicable.**3 Composition/information on ingredients**

- . **Chemical characterization: Mixtures**
- . **Description:** Mixture consisting of the following components with harmless additives.

. **Dangerous components:**

	acrylates Xi R36/38 ----- GHS07 Skin Irrit. 2, H315; Eye Irrit. 2, H319	25-50 %
CAS: 2235-00-9 EINECS: 218-787-6	1-vinylhexahydro-2H-azepin-2-one Xn R22; Xi R36 ----- GHS07 Acute Tox. 4, H302; Eye Irrit. 2, H319	10-25%
CAS: 84100-23-2 EINECS: 282-104-8	4-(1,1-dimethylethyl)cyclohexyl acrylate Xi R36/37/38; N R51/53 ----- GHS09 Aquatic Chronic 2, H411; GHS07 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 75980-60-8 EINECS: 278-355-8	Diphenyl(2,4,6-trimethylbenzoyl)phosphinoxid Xn R62; N R51/53 ----- GHS08 Repr. 2, H361; GHS09 Aquatic Chronic 2, H411	2.5-10%
CAS: 15625-89-5 EINECS: 239-701-3 Index number: 607-111-00-9	2,2-bis(acryloyloxymethyl)butyl acrylate Xi R36/38; Xi R43 ----- GHS07 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	< 2.5%

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

**4 First aid measures**

- . **Description of first aid measures**
- . **After inhalation**  
Supply fresh air and call for doctor for safety reasons.  
In case of unconsciousness bring patient into stable side position for transport.
- . **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- . **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- . **After swallowing** Do not induce vomiting; instantly call for medical help.
- . **Information for doctor**
- . **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- . **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Firefighting measures**

- . **Extinguishing media**
- . **Suitable extinguishing agents**  
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- . **Special hazards arising from the substance or mixture**  
No further relevant information available.
- . **Advice for firefighters**
- . **Protective equipment:** No special measures required.

**6 Accidental release measures**

- . **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.
- . **Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.

(Contd. on page 3)

GB

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Printing date 14.03.2011

Revision: 14.03.2011

Trade name **OMEGA 1 INK - YELLOW**

(Contd. of page 2)

- . **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- . **Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## 7 Handling and storage

- . **Handling**
- . **Precautions for safe handling**  
Keep containers tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- . **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

- . **Conditions for safe storage, including any incompatibilities**
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Keep container tightly sealed.
- . **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Control parameters**
- . **Components with critical values that require monitoring at the workplace:**  
The product does not contain any substances in amounts which exceed the thresholds
- . **Additional information:**  
The lists that were valid during the compilation were used as basis.
- . **Exposure controls**
- . **Personal protective equipment**
- . **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.
- . **Breathing equipment:**



Use breathing protection 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.

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

- . **Material of 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

(Contd. on page 4)

**Safety data sheet**  
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Printing date 14.03.2011

Revision: 14.03.2011

Trade name **OMEGA 1 INK - YELLOW**

(Contd. of page 3)

be calculated in advance and has therefore to be checked prior to the application.

. **Penetration time of glove material**

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

. **Eye protection:**



Safety glasses

. **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

. **Information on basic physical and chemical properties**

. **General Information**

. **Appearance:**

**Form:** Fluid  
**Colour:** According to product specification

. **Smell:** Characteristic  
. **Odour threshold:** Not determined.

. **pH-value:** Not determined.

. **Change in condition**

**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not determined

. **Flash point:** Not applicable

. **Ignition temperature:**

**Decomposition temperature:** Not determined.

. **Self-inflammability:** Product is not selfigniting.

. **Danger of explosion:** Product is not explosive.

. **Critical values for explosion:**

**Lower:** Not determined.  
**Upper:** Not determined.

. **Steam pressure:** Not determined.

. **Density**

**Relative density** Not determined.  
**Vapour density** Not determined.  
**Evaporation rate** Not determined.

. **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix

. **Segregation coefficient (n-octanol/water):** Not determined.

. **Viscosity:**

**dynamic:** Not determined.  
**kinematic:** Not determined.

. **Other information** No further relevant information available.

## 10 Stability and reactivity

. **Reactivity**

. **Chemical stability**

. **Conditions to be avoided:** No decomposition if used according to specifications.

. **Possibility of hazardous reactions** No dangerous reactions known

. **Conditions to avoid** No further relevant information available.

. **Incompatible materials:** No further relevant information available.

. **Hazardous decomposition products:** In case of fire: CO<sub>2</sub>, CO, NO<sub>x</sub>

(Contd. on page 5)

**Safety data sheet**  
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Printing date 14.03.2011

Revision: 14.03.2011

Trade name **OMEGA 1 INK - YELLOW**

(Contd. of page 4)

**11 Toxicological information**

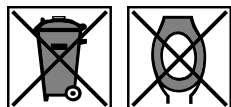
- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** Irritant for skin and mucous membranes.
- . **on the eye:** Irritant effect.
- . **Sensitization:** Sensitization possible by skin contact.
- . **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**12 Ecological information**

- . **Toxicity**
- . **Acquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behaviour in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Remark:** Harmful to fish
- . **Additional ecological information:**
- . **General notes:** Harmful to aquatic organisms
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- . **Waste treatment methods**
- . **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- . **European waste catalogue**

08 03 12*	waste ink containing dangerous substances
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- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

**\*14 Transport information**

- . **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- . **ADR/RID-GGVS/E Class:** not classified
- . **Maritime transport IMDG/GGVSea:**
- . **IMDG/GGVSea Class:** not classified
- . **Marine pollutant:** No
- . **Air transport ICAO-TI and IATA-DGR:**
- . **ICAO/IATA Class:** not classified
- . **Special precautions for user** Not applicable.
- . **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**  
Not applicable.

(Contd. on page 6)

-GB-

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(Contd. of page 5)

\* **15 Regulatory information**

- . **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **National regulations**
- . **Water hazard class:**  
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- . **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . **Relevant phrases**
  - H302 Harmful if swallowed.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H319 Causes serious eye irritation.
  - H335 May cause respiratory irritation.
  - H361 Suspected of damaging fertility or the unborn child.
  - H411 Toxic to aquatic life with long lasting effects.
  - R22 Harmful if swallowed.
  - 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.
  - R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R62 Possible risk of impaired fertility.
- . **\* Data compared to the previous version altered.**

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