

SAFETY DATA SHEET RHO RIGID INK -LIGHT CYAN

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME RHO RIGID INK -LIGHT CYAN
PRODUCT NO. LTKC1LRBS
APPLICATION Inkjet Printing ink.
SUPPLIER DURST PHOTOTECHNIK
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2 HAZARDS IDENTIFICATION

Irritating to eyes.

CLASSIFICATION Xi;R36.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
VINYLCAPROLACTAM	218-787-6	2235-00-9	10-25%	Xn;R22. Xi;R36.
SUBSTITUTED PHOSPHINE OXIDE	278-355-8	75980-60-8	1-5%	Rep 3;R62. R52/53.

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

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove victim immediately from source of exposure. Get medical attention.

INHALATION

Move the exposed person to fresh air at once.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

PROTECTIVE MEASURES IN FIRE

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6 ACCIDENTAL RELEASE MEASURES

RHO RIGID INK -LIGHT CYAN

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Protect from freezing and direct sunlight. Avoid storing for very long periods. Store separated from: Acids. Oxidising material. Alkalies.

STORAGE CLASS

Miscellaneous hazardous material storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Multi-layer material (e.g. 4H, Saranex). Nitrile. Unsuitable gloves: natural rubber or latex Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed

EYE PROTECTION

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

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

When using do not eat, drink or smoke. Promptly remove any clothing that becomes wet or contaminated. Wash promptly if skin becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Mobile Coloured liquid		
ODOUR	Characteristic		
PHYSICAL DATA COMMENTS	pH: Not applicable. Product does not dissociate in water.		
SOLUBILITY	Soluble in most organic solvents		
BOILING POINT (°C)	>100 @ 760 mm Hg	RELATIVE DENSITY	1.02-1.1 @ 25°C
VAPOUR DENSITY (air=1)	> 1	VAPOUR PRESSURE	<1.3 @ mbar 25
EVAPORATION RATE	<0.05 BuAc =1	VISCOSITY	10-30 @ cps 25°C
FLASH POINT (°C)	>95 CC (Closed cup).	SOLUBILITY VALUE (g/100g H2O@20°C)	<10

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10 STABILITY AND REACTIVITY

STABILITY

Stable under the prescribed storage conditions. Avoid: Heat, sparks, flames.

CONDITIONS TO AVOID

Will react violently with: Free radical initiators. Strong oxidising agents. Strong alkalis.

HAZARDOUS POLYMERISATION

May polymerise.

POLYMERISATION DESCRIPTION

Store in tightly closed original container in a dry, cool and well-ventilated place.

MATERIALS TO AVOID

Strong oxidising substances. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Acrylate components have irritant properties. Prolonged or repeated contact with the skin or mucous membranes may result in irritant symptoms such as redness, blistering or dermatitis. Symptoms may be delayed.

GENERAL INFORMATION

Acrylates may have irritant properties

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

Other Health Effects

NTP Not Listed. IARC Not Listed. OSHA Not Regulated.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Recover and reclaim or recycle, if practical. Waste is classified as hazardous waste.

DISPOSAL METHODS

Absorb in vermiculite or dry sand, dispose in licensed hazardous waste. Dispose of waste and residues in accordance with local authority requirements. This material may be suitable for industrial waste incineration. This is subject to approval by your waste management contractor.

WASTE CLASS

European Waste Class (EWC) 08 03 12

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

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RISK PHRASES

R36 Irritating to eyes.

SAFETY PHRASES

S25 Avoid contact with eyes.

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

S60 This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

Safety Data Sheet according to 91/155/EC as amended Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Workplace Exposure Limits 2005 (EH40)

16 OTHER INFORMATION

ISSUED BY

Chemical Safety Adviser

REVISION DATE 24/09/2007

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

R22 Harmful if swallowed.

R36 Irritating to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

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.