

# SAFETY DATA SHEET

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Revision nr : 7

Date : 26/1/2006

Supersedes : 19/12/2005

## VIPRO 2000

**2000**

www.lisam.com

### Producer

Visprox B.V.  
Grijpensteinweg 19  
2014 KX Haarlem Nederland  
Tel. : (31) 023-5248131  
Fax: (31) 023-5247862  
Only in case of emergency call Visprox bv tel (+31)(0)  
653293433

### Responsible for distribution

Printex Marking Technologies  
12113 Kirkham Rd  
Poway, CA 92064  
Tel 800.982.1928

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

Identification of the product : Viscous liquid.  
Trade name : VIPRO 2000  
Type of product : Ink  
Use : Industrial.  
Colours: : 2001-2099 (incl.EO,L,M,PR,SO).  
2000 A-K;PMS-,HKS-,RAL-,NCS-colours and colours according to sample.  
Producer/Manufacturer : See address above.  
EMERGENCY TELEPHONE: : CHEMTREC (800-424-9300 within US) Outside US (703-527-3887)

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS No / EC No / EC Index	Symbol(s)	R-Phrase(s)
Cyclohexanone	: < 5 %	108-94-1 / 203-631-1 / 606-010-00-7	Xn	10-20
VOC(w%): 60				

## 3 HAZARDS IDENTIFICATION

Main hazards : Flammable.

## 4 FIRST AID MEASURES

- Inhalation : If not breathing, give artificial respiration.  
Remove victim to fresh air.  
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
- Eye contact : Seek medical advice.  
In case of eye contact, immediately rinse with clean water for 10-15 minutes.  
- Ingestion : If swallowed seek medical advice immediately and show this container or label.  
DO NOT INDUCE VOMITING.  
Depending on condition of the victim : Obtain medical attention.

## 5 FIRE-FIGHTING MEASURES

Extinguishing media : Dry chemical.  
Carbon dioxide.  
Alcohol resistant foam.  
- Not to be used : Water.  
Special exposure hazards : When heated to decomposition, emits dangerous fumes.  
Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.  
Protection against fire : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

## 6 ACCIDENTAL RELEASE MEASURES

General precautions : Eliminate every possible source of ignition.  
Personal precautions : Wear suitable protective clothing and gloves.  
Environmental precautions : Prevent entry to sewers and public waters.  
After spillage and/or leakage : Dike for recovery or absorb with appropriate (non-flammable) material.

### **Visprox B.V.**

Grijpensteinweg 19 2014 KX Haarlem Nederland Tel. : (31) 023-5248131

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### 7 HANDLING AND STORAGE

- General : Avoid all unnecessary exposure.  
Store according to PGS 15.
- Precautions in handling and storage : Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.  
Take precautionary measures against static discharges.  
Use only non-sparking tools.
- Storage : Close cover tightly after use.  
Keep away from food, drink and animal feeding stuffs.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Nitrilrubber Gloves.
- Skin protection : Wear suitable protective clothing.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Occupational Exposure Limits : Cyclohexanone : TLV-TWA [ppm] : 25  
Cyclohexanone : TLV-STEL [ppm] : 50  
Cyclohexanone : MAC [mg/m<sup>3</sup>] : 50 H; 15 min  
Cyclohexanone : MAC [ppm] : 12.5 H; 15 min

### 9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Viscous liquid.
- Colour : Differend;according to coding in heading no 1
- Odour : Characteristic.
- Initial boiling point [°C] : 156
- Density : 1.0-1.5 g/cm<sup>3</sup> (10-15 lb/gal.)
- Viscosity : >60S 6mm ISO-cup
- Flash point [°C] : 46
- Auto-ignition temperature [°C] : 420
- Explosion limits - lower [%] : 1.7
- Explosion limits - upper [%] : 13
- Non-volatiles (% by volume) : 33
- Others : Density of the organic solvents: 0.9 g/cm<sup>3</sup> (9.0 lb/gal.)  
Percentage of the organic solvents, by vol.: 67

### 10 STABILITY AND REACTIVITY

- Hazardous decomposition products : On exposure to high temperature, may decompose, releasing toxic/flammable vapours.
- Materials to avoid : Strong oxidizers.  
Strong alkalis.  
Strong acids.
- Conditions to avoid : Extremely high or low temperatures.

### 11 TOXICOLOGICAL INFORMATION

- Rat oral LD50 [mg/kg] : >2000
- Rabbit dermal LD50 [mg/kg] : >2000
- Rat inhalation LC50 [mg/l/4h] : >20
- On ingredients : Cyclohexanone : - Dermal : Absorbed through the skin.  
Cyclohexanone : Rat oral LD50 [mg/kg] : 1620  
Cyclohexanone : Rabbit dermal LD50 [mg/kg] : 948  
Cyclohexanone : Rat inhalation LC50 [mg/l/4h] : 11  
Cyclohexanone : Acute effects general : Irritation to eyes, skin and respiratory tract.

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### 11 TOXICOLOGICAL INFORMATION (continued)

Cyclohexanone : Chronic effects : There are potential chronic health effects to consider.

Cyclohexanone : Symptomes on intake of large quantities. : Dizziness, giddiness, headache, vomiting, heart rhythm disorder, distress of the central nervous system and consciousness disorder.

### 12 ECOLOGICAL INFORMATION

ABM(The Netherlands) : {12} Limited danger to aquatic organisms.  
Cleasing effort B

LC50-96 Hour - fish [mg/l] : >100

48 Hour-EC50 - Daphnia magna [mg/l] : >100

IC50 72h Algae [mg/l] : >100

COD-value [mg/l] : No data available.

BOD5-value [mg/l] : No data available.

WGK class (Germany) : 1

On ingredients : Cyclohexanone : Log P octanol / water at 20°C : .81  
Cyclohexanone : Surface water poluting. : Weakly.  
Cyclohexanone : Biodegradation [%] : 87  
Cyclohexanone : LC50-96 Hour - fish [mg/l] : > 500  
Cyclohexanone : 48 H-LC50 - Daphnia magna [mg/l] : > 400  
Cyclohexanone : IC50 72h Algae [mg/l] : 32.9 mg/l.  
Cyclohexanone : ThOD (gO2/g) : 2.605  
Cyclohexanone : BOD 5 (gO2/g) : 1.232  
Cyclohexanone : WGK class (Germany) : 1

### 13 DISPOSAL CONSIDERATIONS

Disposal : Dispose in a safe manner in accordance with local/national regulations.

Industrial waste number : Eural:200127.

### 14 TRANSPORT INFORMATION

Hazard Label(s)



Shipping name : UN 1210 PRINTING INK / PRINTING INK RELATED MATERIAL, 3, III

- UN No. : 1210

- H.I. nr : 30

- ADR/RID : Group : III  
Transport in accordance with 2.2.3.1.5 ADR (not regulated for containers <450l.)  
Class : 3

- IMO-IMDG : Transport in accordance with 2.3.2.5 IMDG (not regulated for containers <30 l.)  
Packaging group: III  
Class 3

### 15 REGULATORY INFORMATION

Symbol(s) : None.

R Phrase(s) : R10 : Flammable.

S Phrase(s) : S3 : Keep in a cool place.  
S16 : Keep away from sources of ignition - No smoking.  
S35 : This material and its container must be disposed of in a safe way.  
S51 : Use only in well-ventilated areas.  
S59 : Refer to manufacturer/supplier for information on recovery/recycling.

P Phrase(s) : P201-For professional use only.

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## 16 OTHER INFORMATION

Text of R-Phrases in § 2 : R10 : Flammable.  
R20 : Harmful by inhalation.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58/EC.

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