

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION OF PRODUCT & COMPANY

MSDS ID# : BALL PEN INK Shade (NON PPHARMA PRODUCT)
PRODUCT NAME : CP 1K Blue , CP 1K Black , CP 1K Red
COMMON NAME : BALL PEN INK
CHEMICAL NAME : N/A
FORMULA/CAS : N/A
:
:
:

EMRGENCY PHONE :

DATE ISSUED : 8TH August 2019 DATE ENTERED: 20 FEB. 2000
DATE REVISED: : December 8 2002

SECTION II INGREDIENT INFORMATION

ETHYLENE GLYCOL PHENYL ETHER CAS # 122-99-6
OBHA PEL NOT ESTABLISHED TLV-ACGIH NOT ESTABLISHED

DIETHYLENE GLYCOL MONO ETHYL EITHER CAS # 111-90-0
OSHA PEL NOT ESTABLISHED TLV-ACGIH NOT ESTABLISHED

SARA 311 CATEGORIES:

IMMEDIATE (ACUTE) HEALTH EFFECTS : YES
DELAYED (CHRONIC) HEALTH EFFECTS : NO
FIRE HAZARD : NO
SUDDEN RELEASE OF PRESSURE HAZARD : NO
REACTIVITY HAZARD : NO

SECTION III HAZARDS IDENTIFICATION

THE HEALTH HAZARDS OF THIS PRODUCT SHOULD BE LOW UNDER NORMAL INDUSTRIAL AND COMMERCIAL USES. PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN OR EYE IRRITATION. DO NOT ALLOW MATERIAL TO ENTER SOIL OR SURFACE WATER.

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HMIS RATING:

HEALTH :1 FLAMMABILITY :1 REACTIVITY :0 SPECIAL :0

POTENTIAL HEALTH EFFECTS:

EYE:

MAY CAUSE SLIGHT IRRITATION. NOT KNOWN TO CAUSE PERMANENT INJURY TO EYE TISSUE. NO HAZARDS EXPECTED IN NORMAL INDUSTRIAL USE.

SKIN:

NOT KNOWN RISKS DUE TO INHALATION. NO HAZARDS EXPECTED IN NORMAL INDUSTRIAL USE.

INHALATION:

NO KNOWN RISKS DUE TO INHALATION. NO HAZARDS EXPECTED IN NORMAL INDUSTRIAL USE.

INGESTION:

ESSENTIALLY NON-TOXIC.

SECTION IV	FIRST AID MEASURES
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EYE CONTACT FIRST AID:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

SKIN CONTACT FIRST AID:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

INHALATION FIRST AID:

ALTHOUGH THIS PRODUCT IS NOT KNOWN TO CAUSE RESPIRATORY PROBLEMS, IF BREATHING IS DIFFICULT, REMOVE TO FRESH AIR AND PROVIDE OXYGEN. GET MEDICAL ATTENTION IF COUGH OR OTHER SYMPTOMS DEVELOP.

INGESTION FIRST AID:

IF SWALLOWED, IMMEDIATELY GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CONTACT A PHYSICIAN.

SECTION V	FIRE FIGHTING MEASURES
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FLASH POINT : 225+ F
AUTO IGNITION : NOT ESTABLISHED
LEL : NOT ESTABLISHED
UEL : NOT ESTABLISHED

EXTINGUISHING MEDIA

DRY CHEMICAL, ALCOHOL FOAM, CO2, SAND.

FIRE FIGHTING INSTRUCTIONS:

AS IN ANY FIRE, WEAR SELF- CONTAINED BREATHING APPARATUS PRESSURE-DEMAND MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. AVOID BREATHING SMOKE, FUMES, AND DECOMPOSITION PRODUCTS. CONTAIN RUNOFF WATER. CONTAMINATED EXTINGUISHING WATER MUST BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.

SECTION VI ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURE:

WATER & ALCOHOL WILL INCREASE THE AMOUNT OF COLORANT CONTAMINATION. DO NOT ALLOW MATERIAL TO ENTER SOIL OR SURFACE WATER. CLEAN UP AREA BY ABSORBENT MATERIAL. TAKE UP AND PLACE IN SECURE CLOSED CONTAINERS. ALL WASTE MATERIALS SHOULD BE PACKAGED, LABELED AND TRANSPORTED IN ACCORDANCE WITH ALL NATIONAL, STATE/ PROVINCIAL, AND LOCAL REQUIREMENTS.

INITIAL CONTAINMENT:

CONTAIN SPILLED MATERIAL. DO NOT ALLOW MATERIAL TO ENTER SOIL OR SURFACE WATER.

SECTION VII HANDLING AND STORAGE

HANDLING (PERSONNEL):

WASH HANDS THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

HANDLING (PHYSICAL ASPECTS):

AVOID EXTREME TEMPERATURES. KEEP CONTAINER CLOSED TO AVOID CONTAMINATION.

STORAGE PRECAUTIONS:

PROTECT CONTAINERS FROM PHYSICAL DAMAGE. DO NOT STACK DRUMS MORE THAN THREE PALLETS HIGH.

SECTION VIII EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS:

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.

EYE/ FACE PROTECTION REQUIREMENTS:

WEAR SAFETY GLASSES ALL TIMES WHEN USING THIS LIQUID TO AVOID THE POSSIBILITY OF SPLASHING IN THE EYES.

SKIN PROTECTION REQUIREMENTS:

WEAR PROTECTIVE GLOVES TO MINIMIZE SKIN CONTAMINATION. FOR BRIEF CONTACT, NORMAL WORK ATTIRE SHOULD BE SUFFICIENT. WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT COULD OCCUR, USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL.

SECTION IX	PHYSICAL / CHEMICAL CHARACTERISTICS
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FORM	:	LIQUID
BOILING POINT	:	GREATER THAN 400 F
SPECIFIC GRAVITY	:	1.1 TO 1.14
MELTING POINT	:	NOT ESTABLISHED
VAPOR PRESSURE (MM HG)	:	O.I.@ 68 F
VAPOR DENSITY (AIR = 1)	:	APPROX. 4
EVAPORATION RATE (BUTYL ACETATE=1)	:	LESS THAN 1
SOLUBILITY / WATER	:	NEGLIGIBLE

SECTION X	STABILITY AND REACTIVITY
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STABILITY:

THIS PRODUCT IS STABLE AT AMBIENT CONDITIONS.

POLYMERIZATION:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBILITY WITH OTHER MATERIALS:

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

DECOMPOSITION:

DECOMPOSITION WILL NOT OCCUR IF HANDLE AND STORED PROPERLY.

SECTION XI	TOXICOLOGICAL INFORMATION
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BURNING MAY CAUSE CARBON MONOXIDE AND / OR CARBON DIOXIDE OR OTHER TOXIC ORGANIC COMPOUNDS.

SECTION XII	ECOLOGICAL INFORMATION
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NO INFORMATION AVAILABLE.

SECTION XIII	DISPOSAL CONSIDERATIONS
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WASTE DISPOSAL:

WASTE DISPOSAL SHOULD BE IN ACCORDANCE WITH EXISTING STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION XIV	TRANSPORTATION INFORMATION
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PRODUCT LABEL : BALL PEN INK
D.O.T.HAZARD CLASS : NON-HAZARDOUS

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SECTION XV REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

THIS MATERIAL OR ALL OF ITS COMPONENTS ARE LISTED ON THE INVENTORY OF EXIDING CHEMICAL SUBSTANCES UNDER THE TOXIC SUBSTANCE CONTROL ACT (TSCA)

SECTION XVI OTHER INFORMATION

PREPARED BY : MR.SWETAL M.SHAH
APPROVED BY : MR.M.B.SHAH
TITLE : TECH.DIRECTOR
RNT NUMBER : 00007

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF SMOOTHLINE INDUSTRIES. THE DATA ON THIS SHEET ARE RELATED ONLY TO THE SPECIFIC MATERIAL DEDIGNATED HEREIN. SMOOTHLINE INDUSTRIES ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.

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END OF MSDS
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Safety data sheet
COMMISSION REGULATION (EU) No 453/2010 of 20
May 2010 amending Regulation (EC) No 1907/2006

Printing date 29.06.2015

Revision: 29.06.2015

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **Trade name:** **CP ULV GREEN**
- **Registration number** The product is a preparation so ingredients are pre-registered
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Used as inks for sketch pens, fine liners, and all kinds of writing instruments.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Irritant

R36: Irritating to eyes.

Xi; Sensitising

R43: May cause sensitisation by skin contact.

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

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS07

· **Signal word** Warning

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

alpha,alpha-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol

· **Hazard statements**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description Mixture: consisting of the following components.

Dangerous and Non-dangerous components:

CAS: 122-99-6 EINECS: 204-589-7	2-Phenoxyethanol Xn R22; Xi R36 Acute Tox. 4, H302; Eye Irrit. 2, H319	38-45%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol Xn R20/22 Acute Tox. 4, H302; Acute Tox. 4, H332	5-9%
CAS: 110-98-5 EINECS: 203-821-4	1,1'-oxydipropan-2-ol Xi R36/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319	3-7%
CAS: 112-80-1 EINECS: 204-007-1	oleic acid, pure Xi R36/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-3%
CAS: 6786-83-0 EINECS: 229-851-8	alpha, alpha-bis[4-(dimethylamino)phenyl]-4-(phenylamino) naphthalene-1-methanol Xi R41; Xi R43 Eye Dam. 1, H318; Skin Sens. 1, H317	0.5-2%
CAS: 112-90-3 EINECS: 204-015-5	(Z)-octadec-9-enylamine C R35; Xn R22-48/22-65; Xi R37; N R50/53 STOT RE 2, H373; Asp. Tox. 1, H304; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; STOT SE 3, H335	0.5-2%
CAS: 495-54-5 EINECS: 207-803-7	chrysoidine Xn R22-68; Xi R38; N R50/53 Muta. Cat. 3 Muta. 2, H341; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315	0.1-1%
CAS: 111-90-0 EINECS: 203-919-7	2-(2-ethoxyethoxy)ethanol	1-3%
CAS: 9003-39-8	Polyvinyl pyrrolidone	0.1-0.5%
CAS: 25054-06-2	Formaldehyde, polymer with cyclohexanone	25-30%
CAS: 1328-51-4 EINECS: 215-523-1	disulfo copper phthalocyanine amine salt	6-9%
CAS: 90506-69-7 EINECS: 291-933-4	Phosphoric acid, mono- and bis(2-ethylhexyl) esters C R34 Skin Corr. 1B, H314	0.1-1%
CAS: 19125-99-6 EINECS: 242-828-7	2-butyl-6-(butylamino)-1H-benz[de]isoquinoline-1,3(2H)-dione	1-4%

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· **SVHC**

6786-83-0	alpha, alpha-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol
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· **Additional information:** For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **General information:**

Consult Physician. Show this safety data sheet to doctor in attendance.

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

· **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:**

Rinse mouth with water.

Call for a doctor immediately.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Information for doctor:** Treat symptomatically and supportively.· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures· **5.1 Extinguishing media**· **Suitable extinguishing agents:**CO₂, dry chemical powder, water spray, or alcohol resistant foam.· **5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

Carbon oxides

· **5.3 Advice for firefighters**· **Protective equipment:** Wear fully protective suit.**SECTION 6: Accidental release measures**· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear suitable protective clothing and gloves.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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- **6.3 Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Keep in suitable, closed containers for disposal.
- **6.4 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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
 Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 Store in a tightly closed container.
- **Information about storage in one common storage facility:**
 Store away from direct sources of heat.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)**
 Used as inks for sketch pens, fine liners, and all kinds of writing instruments.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:**
 Handle in accordance with good industrial hygiene and safety practice.
- **8.1 Control parameters**
- **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.
- **8.2 Exposure controls**
- **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:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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· 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 cannot 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:**Tightly sealed goggles****· Body protection:**

Apron

Boots

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties**· General Information****· Appearance:**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	205 °C

· Flash point: 101 °C

· Ignition temperature: 435 °C

· Self-igniting: Product is not selfigniting.

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- | | |
|---|---|
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Explosion limits: | |
| Lower: | 1.3 Vol % |
| Upper: | 13.0 Vol % |
| · Vapour pressure at 20 °C: | 0.1 hPa |
| · Density: | Not determined. |
| · Solubility in / Miscibility with water: | Not miscible or difficult to mix. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Keep away from Heat
- **10.5 Incompatible materials:** Avoid contact with strong oxidizing agents.
- **10.6 Hazardous decomposition products:**
May produce carbon mono-oxide and/or carbon dioxide.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

122-99-6 2-Phenoxyethanol

Oral	LD50	2740 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** May cause skin irritation.
- **on the eye:**
Irritating effect.

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CAS: 122-99-6

The substance was found to cause irreversible effects to rabbit eye in a study performed as per OECD guideline no. 405

· **Sensitisation:**

Sensitisation possible through skin contact.

CAS: 6786-83-0

The substance was found to be sensitising in a Guinea pig maximisation test.

· **Additional toxicological information:**

Harmful

Irritant

· **Repeated dose toxicity** No studies available for the product.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

The substance does not show any CMR effects.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

Justification for aquatic classification:

As the substance Oleyl Amine (CAS No. 112-90-3) and Chrysodine (CAS No. 495-54-5), having classification as Aquatic Acute 1 and Aquatic chronic 1, contributes only 1% and 0.50% respectively in the final mixture, so the classification of mixture is considered as Aquatic Chronic 3.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Dispose off waste material according to local, state and federal regulations.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Not applicable. |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Not applicable. |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Not applicable. |
| · 14.4 Packing group
· ADR, IMDG, IATA | Not applicable. |
| · 14.5 Environmental hazards:
· Marine pollutant: | Yes |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**
alpha, alpha-bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol
- **Hazard statements**
H319 Causes serious eye irritation.

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*H317 May cause an allergic skin reaction.**H412 Harmful to aquatic life with long lasting effects.***· Precautionary statements***P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P103 Read label before use.**P261 Avoid breathing dust/fume/gas/mist/vapours/spray.**P280 Wear protective gloves/protective clothing/eye protection/face protection.**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P321 Specific treatment (see on this label).**P363 Wash contaminated clothing before reuse.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***· National regulations:****· Other regulations, limitations and prohibitive regulations***User to follow national laws and regulations.***· 15.2 Chemical safety assessment:***A Chemical Safety Assessment has not been carried out.***SECTION 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 phrases***H302 Harmful if swallowed.**H304 May be fatal if swallowed and enters airways.**H314 Causes severe skin burns and eye damage.**H315 Causes skin irritation.**H317 May cause an allergic skin reaction.**H318 Causes serious eye damage.**H319 Causes serious eye irritation.**H332 Harmful if inhaled.**H335 May cause respiratory irritation.**H341 Suspected of causing genetic defects.**H373 May cause damage to organs through prolonged or repeated exposure.**H400 Very toxic to aquatic life.**H410 Very toxic to aquatic life with long lasting effects.**R20/22 Harmful by inhalation and if swallowed.**R22 Harmful if swallowed.**R34 Causes burns.**R35 Causes severe burns.**R36 Irritating to eyes.**R36/38 Irritating to eyes and skin.*

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- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R68 Possible risk of irreversible effects.

· **Department issuing MSDS:** Product safety department.

· **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organisation
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Muta. 2: Germ cell mutagenicity, Hazard Category 2
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· **Sources**

- REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Data from registration Dossier for CAS: 122-99-6 published on ECHA website [http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249/DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249)
- [DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249.html](http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249)

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• *Data from registration Dossier for CAS: 6786-83-0 published on ECHA website*
<http://apps.echa.europa.eu/registered/data/dossiers/DISS-d6b29d59-d4e7-5966-e044-00144f67d031/DISS-d6b29d59-d4e7-5966-e044-00144f67d031> DISS-d6b29d59-d4e7-5966-e044-00144f67d031.html

• *** Data compared to the previous version altered.**

Section 2: Hazard Identification – Changes in classification and Labelling

Section 3: Composition/information on ingredients

Section 4: First aid measures

Section 5: Firefighting measures

Section 6: Accidental Release Measures

Section 7: Handling and Storage

Section 8: Exposure Controls / Personal Protection

Section 10: Stability and Reactivity

Section 11: Toxicological Information

Section 12: Ecological Information

Section 13: Disposal Considerations

Section 14: Transport Information

Section 15: Regulatory Information

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