

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 26/06/2018

Reviewed on 29/10/2018

### 1 Identification

- **Trade name:** CP ULV Blue/CP 20
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** It is used as an Ink in industry
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Smoothline Writing Inst. Pvt. Ltd.  
607, Neelkanth Corporate Park, 6th flr, Kirol Road,  
Vidhyavihar (West), Mumbai – 400086. INDIA
- **Information department:**  
Tel: +91-22-2502 1600/1700/1800  
Fax:- +91-22-2556 8088  
Email:- smoothline@mtnl.net.in  
Website:- www.smoothlineinks.com
- **Emergency telephone number:**  
Contact details of European importer  
Emergency telephone number:  
Telephone number of EU importer:  
Opening hours:  
Other Comments (e.g. language(s) of the phone service): English

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**  
The product has to be labeled due to the calculation procedure of international guidelines.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with directives on hazardous materials.
- **Hazard-determining components of labeling:**  
Benzyl alcohol  
2-Phenoxyethanol

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**Trade name: CP ULV Blue**

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- **Safety phrases:**

Keep out of the reach of children.

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container to hazardous or special waste collection point.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1  
FIRE 1 Fire = 1  
REACTIVITY 0 Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of substances listed below along with some other additions:

- **Dangerous components:**

122-99-6	2-Phenoxyethanol	35-45%
100-51-6	Benzyl alcohol	7-12%
110-98-5	1,1'-oxydipropan-2-ol	5-9%
12645-31-7	Phosphoric acid, mono- and bis(2-ethylhexyl) esters	0.5-2%
112-90-3	Oleyl amine	0.5-2%

- **Non-Dangerous components:**

9003-39-8	Polyvinyl pyrrolidone	0.1-0.5%
25054-06-2	Formaldehyde, polymer with cyclohexanone	22-35%
2650-18-2	Acid Blue 9	2.5-7.5%
8004-87-3	Basic Violet 1	2.5-7.5%
111-90-0	Ethyl carbitol	2-4%

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** Remove contaminated clothes. Consult a doctor immediately.

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- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
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:**  
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Most important symptoms and effects, both acute and delayed**  
Skin: Causes Skin irritation  
Eye: Causes eye irritation
- **Information for doctor:** Treat symptomatically and supportively.
- **Indication of any immediate medical attention and special treatment needed**  
Follow instructions given above in skin and eye contact.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **For safety reasons unsuitable extinguishing agents:** oxidizing agent
- **Special hazards arising from the substance or mixture** Carbon oxides
- **Advice for firefighters**
- **Protective equipment:**  
Fire fighters should wear positive self contained breathing apparatus.  
Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **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.

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### 7 Handling and storage

- **Precautions for safe handling**  
Avoid contact with eyes and skin.  
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection
- **Information about protection against explosions and fires:**  
Store away from heat, sparks, flame, combustible materials.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep container tightly closed in a dry and well-ventilated place. Store in cool place
- **Information about storage in one common storage facility:**  
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:**  
Store away from moisture. Store in cool and dry place.  
Keep receptacle tightly sealed.
- **Specific end use(s)** It is used as a Ink in industry

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

#### 100-51-6 Benzyl alcohol

WEEL Long-term value: 10 ppm

#### 111-90-0 2-(2-ethoxyethoxy)ethanol

WEEL Long-term value: 25 ppm

- **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.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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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 can not 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:** Protective work clothing

## 9 Physical and chemical properties

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

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	205 °C (401 °F)

- **Flash point:** 101 °C (214 °F)

- **Ignition temperature:** 435 °C (815 °F)

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Vapor pressure at 20 °C (68 °F):** 0.1 hPa

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- |  |  |
|--|--|
| <b>· Density:</b>                                | Not determined.                            |
| <b>· Solubility in / Miscibility with Water:</b> | Not miscible or difficult to mix.          |
| <b>· Other information</b>                       | No further relevant information available. |

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
Keep away from ignition sources, heat and naked flame.
- **Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Conditions to avoid** Incompatible materials
- **Incompatible materials:** Avoid contact with strong oxidizing agents.
- **Hazardous decomposition products:**  
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

### 122-99-6 2-Phenoxyethanol

Dermal	LD50	14391 mg/kg bw (rat)
Inhalative	LC50	> 1000 mg/m <sup>3</sup> air (nominal) (rat(Wistar)male/female)

### 111-90-0 2-(2-ethoxyethoxy)ethanol

Oral	LD50	6031 mg/kg bw (mouse)
Dermal	LD50	9143 mg/kg bw (rabbit)

- **Primary irritant effect:**
- **on the skin:**  
Skin irritation:  
CAS No. 110-98-5  
Administration of 500 uL/24H of Di Propylene Glycol onto the skin rabbit causes moderate irritating effect.
- **on the eye:**  
Eye irritation:  
CAS No. 122-99-6  
Animal/Species: Vienna White rabbit  
cornea score: 1.7  
chemosis score: 1.3  
iris score: 0.7

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Result: Irritating to eyes

CAS No. 110-98-5

Administration of 500 mg of Di Propylene Glycol onto the eye of the rabbits causes mild irritating effect

· **Sensitization:** Not sensitising· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed

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· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**· **Aquatic toxicity:**

### 122-99-6 2-Phenoxyethanol

EC50(48-h) &gt; 500 mg/L (Daphnia magna)

EC50(72-h) &gt; 500 mg/L (Algae)

LC50(96-h) 344 mg/lit (Pimephales Promelas (Fathead Minnow))

### 100-51-6 Benzyl alcohol

EC50(48-h) 230 mg/L (Daphnia magna)

EC50(72-h) 770 mg/L (Algae)

LC50(96-h) 460 mg/L (Fish Pimephales promelas)

### 111-90-0 2-(2-ethoxyethoxy)ethanol

EC50(72-h) 14861 mg/L (Algae)

LC50(48-h) 1982 mg/L (Aquatic invertebrate)

· **Persistence and degradability** No further relevant information available.· **Bioaccumulative potential** No further relevant information available.· **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.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Observe all federal, state, and local environmental regulations.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· <b>UN-Number</b> · <b>DOT, ADR, ADN, IMDG, IATA</b>	Not applicable
· <b>UN proper shipping name</b> · <b>DOT, ADR, ADN, IMDG, IATA</b>	Not applicable
· <b>Transport hazard class(es)</b> · <b>DOT, ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Not applicable
· <b>Packing group</b> · <b>DOT, ADR, IMDG, IATA</b>	Not applicable
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b> · <b>DOT</b> · <b>Quantity limitations</b>	On passenger aircraft/rail: No limits On cargo aircraft only: No limits
· <b>UN "Model Regulation":</b>	-

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## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

122-99-6	2-Phenoxyethanol
25054-06-2	Formaldehyde, polymer with cyclohexanone
100-51-6	Benzyl alcohol
111-90-0	2-(2-ethoxyethoxy)ethanol
110-98-5	1,1'-oxydipropan-2-ol
2650-18-2	Acid Blue 9
8004-87-3	Basic Violet 1
112-90-3	(Z)-octadec-9-enylamine
9003-39-8	Polyvinyl pyrrolidone

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

TLV (ACGIH): 1000 ppm.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

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**Trade name: CP ULV Blue**

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

Benzyl alcohol  
2-Phenoxyethanol

· **Safety phrases:**

Keep out of the reach of children.  
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).  
If swallowed, seek medical advice immediately and show this container or label.  
Dispose of this material and its container to hazardous or special waste collection point.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

User to follow national laws and regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

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

· **Contact:**

Tel: +91-22-2502 1600/1700/1800  
Fax:- +91-22-2556 8088  
Email:- smoothline@mtnl.net.in  
Website:- www.smoothlineinks.com

· **Date of preparation / last revision** 26/06/2015 / 29/10/2018

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

· **Sources**

Occupational Safety & Health Administration (OSHA)

<https://www.osha.gov/Publications/OSHA3514.html>

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ECHA registered dossier for CAS No. 122-99-6

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249/AGGR-58d78ec7-6ad1-441f-a966-a23530e9ee03> DISS-9d9ec9aa-68cf-6ad9-e044-00144f67d249.html

ECHA registered dossier for CAS No. 111-90-0

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d828fb4-1e4f-6452-e044-00144f67d249/DISS-9d828fb4-1e4f-6452-e044-00144f67d249> DISS-9d828fb4-1e4f-6452-e044-00144f67d249.html

RTECS for CAS No. 110-98-5

<http://www.expub.com/Members/DocumentViewer.aspx?key=6811694&pc=172281D091B640f39AAA7AD75B2E04C6&st=RTECS>

for CAS No.112-80-1

<http://www.expub.com/Members/DocumentViewer.aspx?key=6784985&pc=172281D091B640f39AAA7AD75B2E04C6&st=ECHA-Registered>

dossier CAS No.100-51-6

<http://apps.echa.europa.eu/registered/data/dossiers/DISS-9d9b1369-7454-687c-e044-00144f67d249/AGGR-ca164a51-b607-4860-9da9-098ed1ed1856> DISS-9d9b1369-7454-687c-e044-00144f67d249.html

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

- Section 1: Identification of the substance /preparation & of the company/ undertaking
- Section 2 – Hazard Identification
- Section 3 – Composition /Information on ingredients
- Section 4 - First Aid Measures
- Section 5 - Fire Fighting Measures
- Section 6 - Accidental Release Measures
- Section 7 - Handling and Storage
- Section 8 - Exposure Controls / Personal Protection
- Section 9 - Physical & Chemical Properties
- Section 10 – Stability and reactivity
- Section 11 - Toxicological Information
- Section 12 - Ecological Information
- Section 13: Disposal consideration.
- Section 14: Transport Information
- Section 15:Regulatory information
- Section 16:Other information

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