# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

# CC500R CYAN

## Section 1: Identification of the substance/mixture and of the company/undertaking

**Product Identifier**

Trade Name : CC500R CYAN
Type : Mixture
Reach Registration No : The produce is a mixture under the definition of REACH.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Digital Inkjet Textile Printing. Do not use for any purpose other than the identified uses.

**1.3 Uses advised against**

This product is designed for industrial only.

**1.4 Details of the supplier of the safety data sheet**

COLORJET INDIA LTD.
Address: B-195, PHASE II
NOIDA, U.P. INDIA-201305
Ph.: +91 120 45 48 195
Email: info@colorjetgroup.com
Website: www.colorjetgroup.com

## Section 2: Hazards Identification

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Not classified
Classification (67/548/EEC ,1999/45/EC)
Not classified

**2.2 Label elements**

**Labelling according Regulation (EC) No 1272/2008[CLP]**

| | |
|---|---|
| GHS labeling | No signal |
| Pictograms (GHS) | |
| Signal word (GHS) | Warning |
| Hazard Statements (GHS) | H302: Swallow dangerous.<br><br>H373: Cause kidney damage through prolonged or repeated exposure. |

| | |
|---|---|
| Precautionary Statements (GHS) | |
| Prevention | P261: Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P264: Washing hands thoroughly afer handle.<br>P272: Contaminated work clothing should not be allowed out of the workplace.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | P302+P352: IF ON SKIN: Wash with plenty of soap and water.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact<br>lenses, if present and easy to do. Continue rinsing.<br>P310: Immediately call a POISON CENTRE/doctor.<br>P333+P313: If skin irritation or rash occurs: Get medical advice/attention.<br>P362: Wash contaminated clothing before reuse. |
| Disposal | P501: Disposal of contents/container to be specified in accordance with regulations. |
| Supplemental Hazard Statements | None |

## Section 3: Composition/Information on Ingredients

**3.1 Mixtures**

Chemical Name: Reactive Dye Ink, Cyan

**3.2 Hazardous Ingredients**

| Chemica Name | CAS No. | EC No./REACH Reg No. | Wt% | Classification (GHS) |
|---|---|---|---|---|
| Reactive dye Cyan | Trade Secret | Trade Secret | 10-20 | Skin Sens.1, H317 |
| Ethylene Glycol | 107-21-1 | 203-473-3 | 5-15 | Acute Tox.4 (Oral), H302<br>STOT RE2, H373(kidney) |
| Alkyne glycol Surfactant | Trade Secret | Trade Secret | 1-3 | Eye dam. 1: H318 |

## Section 4: First Aid Measures

**4.1 Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

No exposure expected under normal conditions. Large amount of vapor or mist if inhaled, move person into Fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Any relevant information can be found in other parts of this section.

**4.3 Indication of immediate medical attention and special treatment needed:** None

## Section 5: Fire Fighting Measures

**5.1 Extinguishing media**

Suitable extinguishing media

Water spray, dry chemical, carbon dioxide, alcohol-resistant foam.

**5.2 Special hazards arising from the substance or mixture**

Carbon oxide, nitrogen oxides (NOx).

**5.3 Advice for firefighters**

No special firefighting procedures are required other than breathing apparatus.

**5.4 Further information** None

## Section 6: Accidental Release Measure

Absorb spill with sand or earth then place in a chemical waste container.

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin.

**6.2 Environmental precautions**

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

**6.3 Methods and materials for containment and cleaning up**

If a spill occurs, use sponges to wipe-up ink, then rinse area with damp cloth. Waste in closed container for disposal. Contain larger amounts and pump up into suitable containers.

**6.4 Reference to other sections**

For disposal see section 13.

## Section 7: Handling and Storage

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Wear personal protective equipment (See Section 8). Wash thoroughly after handling. Keep out of reach of children and do not drink ink.

**7.2 Conditions for safe storage, including any incompatibilities**

Do not store the cartridge in a higher than 30oC or freezing temperatures. Keep cartridge out of direct sunlight. Keep away from incompatible substances (See Section 10)

**7.3 Specific end uses**

No data available

## Section 8: Exposure Control/Personal Protection

**8.1 Control parameters**

Components with workplace control parameters.

No data available

**8.2 Exposure controls**

**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use process enclosures or local exhaust ventilation.

**Personal protective equipment**

Eye/face protection

Splash goggles should be worn.

**Skin protection**

Impervious gloves should be worn.

**Body Protection**

Not required under normal conditions.

Respiratory protection.

## Section 9: Physical and Chemical Properties

| 9.1 Information on basic physical and chemical | Properties |
|---|---|
| Appearance | Colored liquid |
| Odour | Slight characteristic |
| pH | 6-8 (25 °C) |
| Melting/freezing point | < 0 °C |
| Flash point | > 120 °C (closed cup) |
| Evaporation rate | no data available |
| Flammability (solid, gas) | no data available |
| Upper explosion limit | no data available |
| Lower explosion limit | no data available |
| Vapour pressure | no data available |
| Vapour density | no data available |
| Relative density | 1.05-1.15 g/ml @ 25 °C |
| Water solubility | completely miscible |
| Autoignition temperature | no data available |
| Decomposition temperature | no data available |
| Viscosity | 5-6 cSt (25 $_{o}$C) |
| Explosive properties | no data available |
| Oxidizing properties | no data available |

**9.2 Other safety information**

No data available

## Section 10: Stability and Reactivity

**10.1 Reactivity**
Very low
**10.2 Chemical stability**
Stable under recommended storage conditions.
**10.3 Possibility of hazardous reactions**
No data available
**10.4 Conditions to avoid**
High temperature and sun light.
**10.5 Incompatible materials**
Oxidizers and explosives.
**10.6 Hazardous decomposition products**
Carbon oxides, nitrogen oxides.

## Section 11: Toxicological Information

**11.1 Route of exposure**
Eye, skin, inhalation, and oral
**11.2 Signs and symptoms of overexposure**
May be harmful if swallowed. May cause eye and mucous membrane irritation. May cause slight skin irritation.
**11.3 Information on toxicological effects**
**Ingredients:**
Surfactant
LD50 Oral - rat -5000 mg/kg
LD50 Dermal – rabbit -None established
Ethylene Glycol
LD50 Oral - rat -4700 mg/kg
LD50 Dermal – rabbit - > 9530 µg/kg
LC50(rat, inhalation/4hr):> 200mg/m3
Carcinogenicity
IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed.
**human carcinogen by IARC.**

**11.4 Chronic toxicity**
Ethylene Glycol
Cause kidney damage through prolonged or repeated exposure.
Surfactant
May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.
Prolonged or repeated exposure may cause significant skin and eye irritation. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

## Section 12: Ecological Information

**12.1 Toxicity**

Ethylene Glycol
LC-50- trout-96hr: >100mg/l;
LC-50- trout-96hr: >18500mg/l;
EC-50-Daphinia magna: >74000mg/l

**12.2 Persistence and degradability**

In water not readily biodegradable.

**12.3 Bio accumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

No data available

## Section 13: Disposal Considerations

**13.1 Waste treatment methods**

Product
Dispose of in accordance with local regulations.
Contaminated packaging
Completely discharge containers. Containers may be recycled or re-used. Dispose of in accordance with local
Regulations.

**13.2 Further information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

## Section 14: Transport Information

**14.1 UN number**

| ADR/RID | IMDG | IATA |
|---|---|---|
| — | — | — |

**14.2 UN proper shipping name**

| | | |
|---|---|---|
| — | — | — |

**14.3 Transport hazard class(es)**

Not dangerous goods

**14.4 Packaging group**

| | | |
|---|---|---|
| — | — | — |

**14.5 Environmental hazards**

Hazardous to the environment: no
Marine Pollutant (IMDG): no

**14.6 Further Information**

## Section 15: Regulatory Information

**15.1 This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.**
Safety, health and environmental regulations/legislation specific for the substance or mixture
Status
The mixture is non-dangerous in accordance with Directive 1999/45/EC

## Section 16: Other Information

**Disclaimer:** The information provided on this Safety Data Sheet is designed only as a guide for safe handing, use, processing, storage, transportation, and disputation, and disposal, and is not to be considered as a warrant or quality specification. The information relates only to the specific material design and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.