SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

CC500R GRAY

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

Product Identifier

Trade Name : CC500R GRAY
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

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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. H373: Cause kidney damage through prolonged or repeated exposure.

Precautionary Statements (GHS)	
Prevention	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Washing hands thoroughly afer handle. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352: IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTRE/doctor. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. 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, Gray

3.2 Hazardous Ingredients

Chemica Name	CAS No.	EC No./REACH Reg No.	Wt%	Classification (GHS)
Ethylene Glycol	107-21-1	203-473-3	5-15	Acute Tox.4 (Oral), H302 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.