

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product Identifier**

Trade Name : CK3 Cyan
CK3 Pink
CK3 Magenta
CK3 Yellow
CK3 Black
CK3 Orange
CK3 Blue
CK3 Gray

Recommended use of the chemical and restrictions on use:

Textile printing industry

1.2 Supplier Information of the safety data sheet**ColorJet India Limited**

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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture:****2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

2.1.2 Classification according to Directive 67/548/EEC

May cause sensitization by skin contact.

2.1.3 Additional information

According to the classification provided by companies to ECHA in CLP notifications this substance is harmful to aquatic life with long lasting effects and may cause an allergic skin reaction.

2.2 Label Elements

Hazard pictograms:



Signal word: Warning

Hazard statement:

H315 Causes skin irritation

Hazard substance:

Reactive Dye

Precautionary statement (s):

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

P264 Wash skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves / eye protection / face protection

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.

P333+P313 if skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents / container to hazardous waste in accordance with regional/ international regulations.

2.3 Other hazards

None to our knowledge.

SECTION 3: Composition/information on ingredients

3.1 Information about mixture:

Chemical name	CAS No.	ELINCS No.	Weight content %	Classification according to 67/548/EEC	Classification according to Regulation (EC) No 1272/2008
Reactive Dye	Proprietary	Proprietary	5-30%	Not classified	Skin sens., H315
Glycerol	56-81-5	200-289-5	10-40%	Not classified	Not classified
Water	7732-18-5	231-791-2	30-80%	Not classified	Not classified

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact:** Immediately wash eyes with plenty of running water for at least 15 minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Occasionally lift the upper and lower eyelids. Seek medical advice if irritation develops and persists.
- Skin contact:** Wash affected skin area with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Seek medical advice if irritation develops and persists. Wash immediately with water.
- Ingestion:** Seek medical advice if the victim feels unwell. Wash out mouth with plenty of water and give 2-4 cup full of water or milk to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.
- Inhalation:** Remove the victim from exposure into fresh air if adverse effects (e.g. dizziness, drowsiness or respiratory irritation) occur. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice if cough or other symptoms appear.

The most important symptoms and hazardous effects:

See Section 11 for more detailed information on effects and symptoms

SECTION 5: Firefighting measures

Suitable extinguishing media:

Water fog or fine spray, dry chemical fire, carbon dioxide extinguishers and foam; alcohol resistant foam (ACT type) are preferred; general purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Unsuitable extinguishing media:

Direct water stream

Exposure hazards

(combustion products):

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/ or irritating. Combustion products may include and are not limited to: Carbon monoxide, carbon dioxide and nitrogen oxide. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flash

Unusual Fire and Explosion Hazards:

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Special protective equipment for firefighters:**Special methods/instructions:**

back may occur. Flammable mixtures may exist within the vapor space of containers at room temperature.

Flammable concentrations of vapor can accumulate at temperatures above flash point.

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Packages can be cool with water. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Keep people away. Isolate fire and deny unnecessary entry. Stay up wind. Keep out of low areas where gases (fumes) can accumulate. Water may not be effective in extinguishing fire. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Eliminate ignition sources. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage.

SECTION 6: Accidental release measures

Personal precautions:

Wear appropriate personal protective equipment (see section 8) during cleaning. Avoid contact with eyes and skin. Avoid inhalation. No smoking in the area. Eliminate all sources of ignition in vicinity of spill or released vapour to avoid fire or explosion. Check area with combustible gas detector before reentering area.

Respiratory protection Normal dust protection, use type P95 (US) or type P1 (EU EN 143) a better level of protection of use type OV / AG / P99 (US) or type ABEK-P2 (EU EN 143) respirator.

Environmental precautions:

Prevent the material from entering surface water or sanitary sewer system. Do not discharge directly to a water source. If accidental spillage or washings enter drains or watercourses contact local Environment Agency.

Methods for cleaning up:

Pick up with absorbent material. Sweep up absorbed substance, place in suitable and properly labelled waste containers for later disposal. Residual trace can be wiped away. Prevent entry into sewers and waterways. For large spills: Contain spilled material if possible. Ground and bond all containers and handling equipment. Pump with explosion-proof equipment. If available, use foam to smother or suppress.

SECTION 7: Handling and storage

7.1 Handling

Personal precautions:

Wear personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing vapour. No smoking, open flames or sources of ignition in handling and storage area.

Technical measures/ Precautions:

Provide good ventilation (local exhaust) of the working area, safety showers and eye wash station near the workplace. Avoid release to the environment. Ground/Bond container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Keep product away from heat, sparks, flame and other sources of ignition. Avoid exposure the sunlight, UV light or fluorescent light.

7.2 Storage

Technical measures/ Storage conditions:

Flammable mixtures may exist within the vapour space of containers at room temperature. Keep in the original container. Keep container tightly

Incompatible products:**Packaging material:**

closed in a cool, dry, well-ventilated place. Keep product away from heat, sparks, flame and other sources of ignition and out of direct sunlight and away from incompatible materials.

Strong reducing agent, bases and aqueous acids.

PE container

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

8.1.1 Control parameters

8 hours' time weighted average exposure limits (TWA): Data not yet available

8.2 Exposure controls

8.2.1 Technical measures:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

8.2.2 Organisational measures:

Only personnel who have received appropriate training and are authorized are allowed to handle the substance. Organize regular exposure monitoring to check that exposure levels of operators stay beyond the Exposure Limit. Sampling and analysis should be carried out according to accepted methods.

8.3 Personal protective equipment:

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. Use the following CE approved air-purifying respirator: Organic vapor cartridge, type A (boiling point >65 °C)

Recommended: NIOSH-approved respirator with minimum APF 10

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard EN374 should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374)

Eye protection:

is recommended. After contamination with product change the gloves immediately and dispose them off according to relevant national and local regulations

Recommended: Butyl rubber, ethyl vinyl alcohol laminate ("EVAL"), natural rubber ("latex"), neoprene, nitrile/butadiene rubber ("nitrile" or "NBR"), polyvinyl chloride ("PVC" or "vinyl") and viton

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Recommended: Safety goggles should be consistent with EN 166 or equivalent.

Skin and body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Recommended: Wear chemical-resistant protective clothing

8.4 Hygiene measures

Keep away from foodstuffs, drinks and tobacco. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.5 Environmental exposure controls:

Procedural and/or control technologies are used to minimize emissions and the resulting exposure during cleaning and maintenance procedures.

Transfer waste gases to a combustion unit or to a powder separator.

Do not apply industrial sludge to natural soils. Sealing of all relevant soil surfaces in the facility.

SECTION 9: Physical and chemical properties

Appearance:	Blue, Red, Yellow, Black, Grey, Orange, Pink for each product item
Odour:	No data available
Odour threshold:	No data available
pH:	6.0 8 .0
Melting/Freezing temperature:	No data available
Boiling point:	No data available
Flash-point:	No data available
Auto ignition temperature:	No data available
Self-igniting:	No data available
Flammability:	No data available
Danger of explosion:	No data available
Lower explosive limit:	No data available
Upper explosive limit:	No data available
Oxidizing properties:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Evaporation rate:	No data available
Dynamic viscosity:	No data available
Kinematic viscosity:	No data available
Specific gravity:	No data available
Relative density:	No data available
Specific conductivity:	No data available
Solubility in water	Complete
Partition coefficient	No data available

SECTION 10: Stability and reactivity

Chemical Stability:	None under normal condition
Conditions to be avoided:	Static discharges. Keep product away from heat, sparks, flame and other sources of ignition. Avoid direct sunlight and UV light
Materials to avoid:	Strong reducing agents.
Hazardous reaction	Stable.
Hazardous decomposition products:	Thermal decomposition and burning may produce carbon monoxide, nitrogen oxides and other toxic gases and vapors

SECTION 11: Toxicological information

Routes of exposure:	Skin, ingestion, eyes.
ACUTE TOXICITY	
Acute oral toxicity, LD ₅₀	No data available
Acute dermal toxicity, LD ₅₀	No data available
Acute inhalation toxicity, LC ₅₀	No data available
LOCAL EFFECTS	
Skin irritation:	No data available
Eye irritation:	No data available
Skin sensitization:	No data available
OTHER	
Repeated dose toxicity:	No data available
Mutagenicity:	No data available
Reproductive toxicity:	No data available
Carcinogenicity:	No data available

SECTION 12: Ecological information

ACUTE TOXICITY-Short-term toxicity	
LC ₅₀ Fish 96h	No data available
EC ₅₀ Algae 72h:	No data available
IC ₅₀ -Bacteria-3h:	No data available
EC ₅₀ Invertebrate 24h	No data available
OTHER	
Persistence and degradability	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Ecotoxicological effects:	No data available
Additional ecological information:	No data available
Results of PBT and vPvB assessment:	No data available
Other adverse effects:	No data available

SECTION 13: Disposal considerations

Waste from residues:	Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water.
Container:	Containers should be cleaned by appropriate method and then re-used or disposed by landfill or incineration as appropriate, in accordance with local and national regulations. Do not remove label until container is thoroughly cleaned.

SECTION 14: Transport information

IATA DGR (Suggestion According to IATA DGR)

The Substance is not subject to IATA DGR.

United nations number (UN No):	Not classified as a hazard good for transport
UN Proper shipping name:	Not classified as a hazard good for transport
Road/rail transport:	Not classified as a hazard good for transport
Inland waterways:	Not classified as a hazard good for transport
Sea transport:	Not classified as a hazard good for transport
Air transport:	Not classified as a hazard good for transport
Marine pollutant (YES/NO):	Not classified as a hazard good for transport
Specific transport measures and precautionary conditions:	Not classified as a hazard good for transport

SECTION 15: Regulatory information

This Material Safety Data Sheet Conforms to EEC Commission Directive 93/112/EEC.

Safety, health and environmental regulations/legislation specific for the substance or Mixture:

No further relevant information available.

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

SECTION 16: Other information

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