SAFETY DATA SHEET

Premium DKM Black PS 250

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

1.1 Product Identifier

Product Name : PREMIUM DKM BLACK PS250
Article Number : PS250K

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

Intended Use: Water-based ink-jet ink for transfer printing

1.3 Details of the supplier of the safety data sheet

Supplier Details:
ColorJet India Limited
B-195, Phase II, Noida
U.P.-201305
Contact Number: +0120-4548195
E-mail: info@colorjetgroup.com

SECTION 2: Hazards identification

Hazards Identification

None

2.1 Classification of the substance or mixture

Skin Sens. 1 May cause an allergic skin reaction
Adverse physicochemical, human health and environmental effects: No other hazards

2.2 Label elements

Regulation (EC) No 1272/2008 (CLP):
Pictograms and Signal Words

Warning

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with all applicable regulations

Contains

DISPERSE BLUE 360

CHLORURE DE 1-(3-CHLOROALLYL)-3,5, 7-TRIAZA-1-AZONIAADAMANTANE (CTAC)	May produce an allergic reaction
REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE	May produce an allergic reaction

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3 Other hazards
No PBT Ingredients are present
Other Hazards: No other hazards
Hazards not otherwise classified identified during the classification process

SECTION 3: Composition/information on ingredients

3.1 Substances
Not Available

3.2 Mixtures
Mixture identification: PREMIUM DKM BLACK PS250

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. No.	Classification	Reg. No
3-5 %	DISPERSE BLUE 360	EC:435-600-5	Flam. Sol. 1, H228; Skin Sens. 1, H31	
1-3 %	ANIONIC SURFACTANT	CAS:68425-94-5 EC:614-476-8	Skin Irrit. 2, H315; Eye Irrit. 2, H319	

0.1-0.25 %	CHLORURE DE 1-(3-CHLOROALLYL)-3,5, 7-TRIAZA-1-AZONIAADAMANTANE (CTAC)	CAS:51229-78-8 EC:426-020-3 Index:612-251-00-9	Acute Tox. 4, H302; Skin Irrit. 2, H315; Flam. Sol. 2, H228; Repr. 2, H361d, H317, H411; Aquatic Chronic 2; Skin Sens. 1; Acute Tox. 3, H311; Eye Irrit. 2, H319
< 0.05 %	2-BROMO-2-NITRO-1, 3-PROPANEDIOL	CAS:52-51-7 EC:200-143-0 Index:603-085-00-8	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335; Aquatic Acute 1, H400, M:10
< 0.05 %	REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE	CAS:55965-84-9 EC:611-341-5 Index:613-167-00-5	Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1B, H314; Acute Tox. 3, H331, H317, H410; Aquatic Acute 1, H400; Aquatic Chronic 1; Skin Sens. 1

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing and shoes.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Immediately remove any contaminated clothing, shoes or stockings.

In case of eye contact:

Wash immediately with water.

In case of ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.
If symptoms persist consult doctor.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

Not Available

4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Water, CO_2, foam, chemical powders, according to the materials involved in the fire.
In case of fire, use foam, dry chemical, CO_2.

Unsuitable extinguishing media:

None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3 Advice for firefighters

Use suitable breathing apparatus.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2 Environmental precautions:

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose of it following local legislation.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities if required.
Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).

6.3 Methods and material for containment and cleaning up:

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).
Wash with plenty of water.

6.4 Reference to other sections

See also section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3 Specific end use(s)
Recommendation(s)
None in particular.
Industrial sector specific solutions:
None in particular.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
No Data Available

8.2 Exposure controls

Eye/face protection:
Use close fitting safety goggles, don't use eye lens.
Skin protection:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or synthetic rubber.
Hand protection:
Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection:
Not Available
Hygienic and Technical measures
Not Available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Physical State Liquid
Appearance: Liquid, Black
Odour: Not Available
Odour threshold: Not Available
pH: 8.90
Melting point/ range: Not Available
Boiling point/ range: Not Available
Flash point: > 100°C / 212°F
Evaporation rate: Not Available
Upper/lower flammability or explosive limits: Not Available
Vapour density: Not Available
Vapour pressure (20°C): Not Available
Density (20°C): Not Available
Water solubility: Miscible
Lipid solubility: Not Available
Partition coefficient (n-octanol/water): Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: Not Available
Viscosity (20°C): 5.70 cPo
Explosive properties: Not Available
Oxidising properties: Not Available

Flammability (Solid, Gas): Not Available
Volatile Organic compounds - VOCs = Not Available

9.2 Other information
Substance group relevant properties: Not Available
Miscibility: Not Available
Conductivity: Not Available

SECTION 10: Stability and reactivity

10.1 Reactivity
Stable under normal conditions.
10.2 Chemical stability
Data not Available.
10.3 Possibility of hazardous reactions
Burning produces carbon monoxide and/or carbon dioxide.
10.4 Conditions to avoid
Stable under normal conditions of temperature and pressure.
10.5 Incompatible materials
Avoid strong oxidizing agents, peroxides, acids, alkali metals.
10.6 Hazardous decomposition products
Burning produces carbon monoxide and/or carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Toxicological Information of the Preparation
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

2-BROMO-2-NITRO-1, 3-PROPANEDIOL	a) acute toxicity	LD50 Oral Rat = 180 mg/kg LD50 Skin Rat = 1600 mg/kg LC50 Inhalation Rat > 5 g/m3 6h
REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE	a) acute toxicity	LD50 Oral Rat = 53 mg/kg

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.
a) acute toxicity
b) skin corrosion/irritation
c) serious eye damage/irritation
d) respiratory or skin sensitisation
e) germ cell mutagenicity
f) carcinogenicity

g) reproductive toxicity
h) STOT-single exposure
i) STOT-repeated exposure
j) aspiration hazard

SECTION 12: Ecological information

12.1 Toxicity
Adopt good working practices, so that the product is not released into the environment.
Eco-toxicity:
List of Eco-Toxicological properties of the product
No Data Available
12.2 Persistence and degradability
Not Data Available

12.3 Bio-accumulative potential
Not Available

12.4 Mobility in soil
Not Available

12.5 Results of PBT and vPvB assessment
No PBT Ingredients are present
12.6 Other adverse effects
Not Available

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

IATA DGR (Suggestion According to IATA DGR)
The Substance is not subject to IATA DGR.

14.1 UN number
N/A

14.2 UN proper shipping name
ADR-Shipping Name: N/A
IATA-Technical name: N/A
IMDG-Technical name: N/A
14.3 Transport hazard class(es)
ADR-Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

14.4 Packing Group
ADR-Packing Group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

14.5 Environmental hazards
Toxic Ingredients Qty: 0.00
High Toxicity Ingredients Qty: 0.00
Marine pollutant: No
Environmental Pollutant: No

14.6 Special Precautions for User
Road and Rail (ADR-RID):
ADR-Label: N/A
ADR-Upper number: N/A
ADR-Special Provisions: N/A
ADR-Transport category (Tunnel restriction code): N/A
Air (IATA):
IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Sub Risk: N/A
IATA-Erg: N/A
IATA-Special Provisioning: N/A
Sea (IMDG):
IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Sub Risk: N/A
IMDG-Special Provisioning: N/A
IMDG-Page: N/A
IMDG-Label: N/A
IMDG-EMS: N/A
IMDG-MFAG: N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not Available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 453/2010 (Annex II)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40
Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

German Water Hazard Class.

Class 1: slightly hazardous for water.

SVHC Substances:

No Data Available

15.2 Chemical Safety Assessment

Chemical Safety Assessment: No

SECTION 16: Other information

Code	Description
H228	Flammable solid.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
2.7/1	Flam. Sol. 1	Flammable solid, Category 1
2.7/2	Flam. Sol. 2	Flammable solid, Category 2
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.7/2	Repr. 2	Reproductive toxicity, Category 2
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	**Classification procedure**
3.4.2/1	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.
Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization

Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
CLP: Classification, Labeling, Packaging
EINECS: European Inventory of Existing Commercial Chemical Substances
INCI: International Nomenclature of Cosmetic Ingredients
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GefStoffVO: Ordnance on Hazardous Substances, Germany
LC50: Lethal concentration, for 50 percent of test population
LD50: Lethal dose, for 50 percent of test population
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
TWATLV: Threshold Limiting Value for the Time Weighted Average 8 hour day.(ACGIH Standard)
STEL: Short Term Exposure limit
STOT: Specific Target Organ Toxicity
WGK: German Water Hazard Class
KSt: Explosion coefficient

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 16. OTHER INFORMATION