



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier ID30-KCMY, ID30-KKCMY, ID30-KKKCMY, KD400X, KD500X, KD600X

Product name DYE BASED INKJET INK

Product category BCH Dye Inkjet Ink

Other means of identification

Synonyms None

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

Relevant identified uses

Printing Operations.
Artistic Painting

Uses advised against:

Do not use as food color

1.3 Details of the supplier of the safety data sheet:

Supplier:

BCH Technologies LLC
4925 West Market Street STE 1118
Greensboro, NC 27407
UNITED STATES

Contact: Kevin William Day
E-Mail : info@bchtechnologies.com
Phone : +1 855 949-1100

www.bchtechnologies.com

1.4 EMERGENCY TELEPHONE NUMBER:

Kevin Day +1 336 202-2960



SECTION 2: HAZARDS IDENTIFICATION

2.1. *Classification of the substance or mixture:*

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

2.2 *Label elements*

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

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Not a hazardous substance under the OSHA Hazard Communication Standard 29 CFR 1910.1200

Signal Word

None

EUH208 – May produce an allergic reaction

EHU210 – Safety data sheet available on request

2.3 *Other hazards*

No information available



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

| Substance name | CAS No. | EC No. | Concentration | Classification according Regulation (EC) No. 1272 [CLP] |
|------------------------|--------------------|-----------|---------------|---|
| <i>Glycerin</i> | 56-81-5 | 200-289-5 | 5-10 % | None |
| <i>Polyoxyethylene</i> | 9002-92-0 | | 2-3% | None |
| <i>Water</i> | 7732-18-5 | | 80-90% | None |
| <i>Black Dye</i> | <i>Undisclosed</i> | | 4-5% | <i>Skin Irrit.2, H315 Eye Irrit 2, H319</i> |
| <i>Cyan Dye</i> | 90295-11-7 | | 5-6% | <i>Skin Irrit.2, H315 Eye Irrit 2, H319</i> |
| <i>Magenta Dye</i> | 77365-64-1 | | 5-6% | <i>Skin Irrit.2, H315 Eye Irrit 2, H319</i> |
| <i>Yellow Dye</i> | 1934-21-0 | | 1-2% | <i>Skin Irrit.2, H315 Eye Irrit 2, H319</i> |

Additional information:

H315 Causes skin irritation

H319 Causes serious eye irritation

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information:

Show this safety datasheet to the doctor in attendance

Following inhalation:

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.



Following skin contact:

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

Following eye contact:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continuing flushing or at least 15 minutes. Get medical attention if irritation develops and persists.

Following ingestion:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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

Symptoms: None under normal use conditions

Effects: None under normal use conditions

4.3 *Indication of any immediate medical attention and special treatment needed*

Notes for the doctor: Treat symptomatically.



SECTION 5: FIREFIGHTING MEASURES

5.1 *Extinguishing media:*

Suitable extinguishing media:

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measure that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

No information available.

5.2 *Special hazards arising from the substance or mixture*

Thermal decomposition can lead to release of irritating gases and vapor. May emit toxic fumes under fire conditions

5.3 *Advice for fire-fighters*

As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers/tanks with water spray. Sealed containers may rupture when heated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 *Personal precautions, protective equipment and emergency procedures*

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2 *Environmental precautions:*

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.



Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Use clean non-sparking tools to collect absorbed material.



SECTION 7: HANDLING AND STORAGE

7.1 *Precautions for safe handling*

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

7.2 *Conditions for safe storage, including any incompatibilities*

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children. Do not freeze.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Exposure Guidelines: N/A**

8.2 **Exposure controls**

8.2.1 **Appropriate engineering controls:**

Mechanical (general) ventilation is acceptable

8.2.2 **Personal protective equipment:**

Eye / Face protection:

Safety goggles or glasses with side shields for eye protection

Skin protection:

Protective gloves required for prolonged or repeated contact



Body protection:

Lab coat or long sleeve cloth

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: Black/Cyan/Magenta/Yellow

Odour: Mild

| | Value | Concentration | Method | Temperature | Pressure | Remark |
|--|---------|---------------|--------|-------------|----------|--------|
| pH | 7.5-8.5 | | | | | |
| Melting point/freezing point | <32°F | | | | | |
| Initial boiling point/boiling range | >212°F | | | | | |
| Flash point | N/A | | | | | |
| Evaporation rate | N/A | | | | | |
| Flammability (solid, gas) | N/A | | | | | |
| Upper/lower flammability or explosive limits | N/A | | | | | |
| Upper explosive limits | N/A | | | | | |
| Lower explosive limits | N/A | | | | | |
| Vapour pressure | N/D | | | | | |
| Vapour density | N/D | | | | | |
| Relative density | N/A | | | | | |
| Solubility(ies) | Soluble | | | | | |
| Partition coefficient: n-octanol/water | N/D | | | | | |
| Auto-ignition temperature | N/A | | | | | |
| Decomposition temperature | N/D | | | | | |
| Viscosity | | | | | | |
| Viscosity, dynamic | 1-5 cps | | | | | |
| Viscosity, cinematic | | | | | | |
| Explosive properties | N/A | | | | | |
| Oxidising properties | N/A | | | | | |



SECTION 10: STABILITY AND REACTIVITY

| | | |
|------|------------------------------------|--|
| 10.1 | Reactivity | N/A |
| 10.2 | Chemical stability | Stable under normal storage conditions |
| 10.3 | Possibility of hazardous reactions | None known |
| 10.4 | Conditions to avoid: | None known |
| 10.5 | Incompatible materials: | Oxidizing agents |
| 10.6 | Hazardous decomposition products: | None known |

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure: Eye, skin and ingestion.

Acute Health Hazards: Ink itself is relatively non-toxic

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Landfill or incinerate in accordance with applicable local, state and federal environmental regulations.



SECTION 14: TRANSPORT INFORMATION

Not a regulated article under DOT or IATA

SECTION 15: REGULATORY INFORMATION

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

15.1.1

SARA Title III Section 313 Supplier Notification:

This product contains the following substances subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 of 40 CFR 372

| Chemical Name | CAS-Nr. | % Weight |
|-------------------------------|-----------------|-------------|
| <i>Isopropyl Alcohol</i> | 67-63-0 | 2-3% |
| <i>n-Methyl-2-pyrrolidone</i> | 872-50-4 | 2-3% |

California Proposition 65:

This product contains trace amounts of the following listed substances which the state of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

| Chemical Name | CAS-Nr. | % Weight |
|-------------------------------|-----------------|-------------|
| <i>n-Methyl-2-pyrrolidone</i> | 872-50-4 | 2-3% |

Ozone Depleting Chemicals:

No regulated ingredients

RoHS Directive:

This product does not contain any RoHS materials. These materials include lead, cadmium, hexavalent chromium, mercury, polybrominated biphenyls (PBB) or poly brominated diphenyl ethers (PBDE).

SECTION 16: OTHER INFORMATION

Hazard Ranking:

0: Least
1: Slight
3: High
4: Extreme

HMIS Hazard Class:

Health = 1
Flammability = 0
Reactivity = 0
PPE = 0



Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

All information, recommendations and suggestions appearing herein concerning BCH product are based upon tests and data believed to be reliable. However, the manufacturer makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. This information is offered solely for your consideration, investigation and verification.