

Disperse Dye Ink Cyan

Revised 19 March 2001

Distributed by:
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Disperse Dye Ink Cyan**

Product Code: **SPC-0256C**

Company Identification
Manufacturer's Name / Supplier **Mimaki Engineering Co., Ltd.**
Address **5-9-41 Kita Shinagawa, Shinagawa-ku Tokyo 14-0001**

Phone Number / Fax **81-3-5420-8671 / 81-3-5420-8687**
Contact Person **Masaaki Fujita**

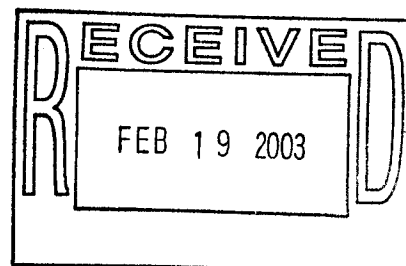
Emergency Phone Number **81-3-5420-8671**

2. COMPOSITION / INFORMATION ON INGREDIENTS

Components (% by weight)

Chemical nature

Disperse Dye, preparation in water / solvent



3. HAZARDS IDENTIFICATION

Potential Health Effects

THIS PRODUCT CAN BE USED SAFELY WHEN USED AS DIRECTED AND WHEN APPLICABLE SAFETY PRECAUTIONS ARE FOLLOWED.

POTENTIAL HEALTH EFFECTS FROM PRODUCT

Potential routes of overexposure to this product are skin contact, eye contact and inhalation of vapor.

Ingestion is not expected to be a significant route of exposure for this product under normal use conditions.

There is no toxicity data available for this specific formulation. Any potential hazards are presumed to be due to exposure to the components.

ADDITIONAL HEALTH EFFECTS

Since this mixture has not been tested as a whole to determine the hazards by all routes of exposure, information is provided for each hazardous component of the mixture to meet requirements of OSHA's Hazard Communication Standard (29 CFR 1910. 1200). The effects noted occur from exposure to the pure component unless otherwise noted.

INFORMATION FOR COMPONENTS

HUMECTANT (1)

Eye contact with this component may cause eye irritation with discomfort, tearing or blurring of vision.

HUMECTANT (2)

Skin contact (prolonged or repeated exposure) not likely to cause significant skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

Eye contact may cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

Inhalation of mist, if heated or sprayed as an aerosol, may cause upper respiratory irritation.

4. FIRST AID MEASURE

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

Ingestion is not an expected route of exposure during normal use of product. If ingested, consult a physician.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point

Method

: >200 F (>93.3 C)

Approximate Flammable Limits in Air, % by Volume

: Closed Cup

LEL

UEL

: Not Available

Autoignition Temperature

: Not Available

: Not Available

Material is a nonflammable water-based solution.

Hazardous combustion products (gases/vapors) produced in fire can include carbon monoxide, carbon dioxide, smoke and oxides of copper.

Extinguishing Media

Use media appropriate for surrounding material.

Fire Fighting Instruction

This material is not flammable. Use normal firefighting procedures for the area.

6. ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Initial Containment

Dike spill.

Spill Clean Up

Soak up with absorbent material.

7. HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin, or clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment

EYE / FACE PROTECTION

Wear safety glasses. Wear converall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of the material.

RESPIRATORS

Respirators are not needed for normal use.

PROTECTIVE CLOTHING

If there is potential for significant dermal contact wear appropriate impervious clothing and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Form	: Liquid
Color	: Blue
Odor	: Slight
Solubility in Water	: Aqueous dispersion
pH value	: 7 - 9
Specific Gravity	: 1.1 g/cm ³ (15°C)
Viscosity	: 10 - 20 (20°C)
Boiling point	: Approx. 100°C

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperature and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition does not occur during normal use.

Polymerization

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Animal Data

No data available for product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information

No data available for product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State / Provincial, and Local regulations.

14. TRANSPORTATION INFORMATION

(Not meant to be all inclusive)

DOT (Department of Transportation):

Proper Shipping Name : Not Regulated

15. REGULATORY INFORMATION

(Not meant to be all inclusive – selected regulations represented)

U.S Regulations

Federal Regulations

TSCA Inventory Status – All components of this product are compliant with TSCA chemical inventory regulations.

TSCA Section 12(b) Export Notification – This product can contain:

State Regulations

State Right-To-Know

WARNING – SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM (California Proposition 65)

Ethylene Oxide (75-21-8)	< 0.2ppm
1,4-Dioxane (123-91-1)	< 0.01ppm
Ethylene glycol monomethyl ether (109-86-4)	< 0.001ppm

The above are trace impurities that can occur in the product.

European Union Regulations

EU Inventory Status – All components of this product are compliant with EU chemical inventory regulations.

16. OTHER INFORMATION

MSDS Contact Information

Product Stewardship Coordinator
Mimaki Engineering Co., Ltd.
5-9-41 Kita Shinagawa, Shinagawa-ku Tokyo 14-0001 (JAPAN)
81-3-5420-8671 (JAPAN)

Revision History

19 March 2001 NEW MSDS

Key	
ACGIH	American Conference of Governmental Industrial Hygienists
Cmpds	Compounds
EU	Europe Union
HMIS	Hazardous Material Information System (National Paint and Coatings Association)
IARC	International Agency for Research on Cancer
LEL or LFL	Lower Explosive Limit or Lower Flammable Limit
NTP	National Toxicology Program (U.S.A)
OSHA	Occupational Safety and Health Administration (U.S.A)
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act (U.S.A)
TWA	Time-weighted Average
UEL or UFL	Upper Explosive Limit or Upper Flammable Limit
WEEL	Workplace Environmental Exposure Level

End of MSDS