

Version No. 01/EN
Revision N. A.
Printing date 23. April.
2010

SAFETY DATA SHEET

(according to Regulation EC 1907/2006)



1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier
Trade name DQ BLUE
Registration no. N. A.
- 1.2 Relevant identified uses of substance or mixture and uses advised against
Identified uses Water-soluble stationary ink
- 1.3 Details of the supplier of the safety data sheet
Company YOU&I CORPORATION
53, MTV 26-RO, SIHEUNG-SI, GYEONGGI-DO, KOREA
(ZIP CODE) 15118
Telephone 82-31-494-2030
E-mail tech@youicolor.com
- 1.4 Emergency telephone number 82-31-494-2030 (This number is serviced during office hours only.)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Skin corrosion / skin irritation Cat; 2

2.2 Label elements

- Hazard pictograms



- Signal word

WARNING

- hazard Statement

H319 causes serious eye irritation
H315 Causes skin irritation.

- Precautionary

P264 Wash ... thoroughly after handling
P403+P233 Store in a well-ventilated place. Keep container tightly
P 501 Disposal contents/ container to in accordance with local national regulation

2.3. Other hazards

No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixture

Components	CAS NO.	EINECS NO.	%	Classification
WATER	7732-18-5	231-791-2	45~70	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Polyethylene Glycol	25322-68-3	500-038-2	5~15	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
XANTHAN GUM	11138-66-2	234-394-2	0~1	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
C. I. ACID RED 52	3520-42-1	222-529-8	0~5	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
C. I. ACID BLUE 9	2650-18-2	220-168-0	0~5	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Propylene Glycol	57-55-6	200-338-0	10~20	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
TRIETHANOLAMINE	102-71-6	203-049-8	0~1	Skin corrosion / skin irritation Cat; 2 H315 Causes skin irritation.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Supply fresh air; consult doctor in case of complaints.
Skin contact Immediately wash with water and soap and rinse thoroughly.
Eye contact Rinse opened eye for several minutes under running water.
Ingestion If symptoms persist consult doctor.

4.2 Most important symptoms / effects, acute and delayed

No data availavble

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

A fire extinguisher water, form, CO2, NaHCO3

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Wear fully protective suit. Mouth respiratory protective device. Do not inhale explosion gases or combustion gas

5.4 Special Information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Enviromental precautions

Do not allow product to reach sege system or any water course.

Inform respective authorities in case of see page into water course or sewage system.

Do not allow to enter to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

No data available

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTOLS / PERSONAL PROTECTION

8.1 Occupational exposure limits

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Repiratory protection

Use suitable respiratory protective device in case of insufficient ve

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid (BLUE)
Odor	Odorless
Odor threshold	No data
PH	8.0 ± 1.0
Melting point/Freezing point	No data
boiling point and range	> 100°C
Flash point	300°C
Evaporation rate	No data
Flammability(solid, gas)	No data
Upper/lower/flammability or explosive limits	No data
Vapor pressure	No data
Vapor density	No data
Relative density	1.1 ± 0.05 g/cm3
Solubility	Fully miscible
Partition coefficient: n-octanol/water	No data
Auto-ignition temperature	No self-igniting
Decomposition temperature	No data
Viscosity	850 ± 200 Cps
Explosive properties	Not explosive
Oxidizing properties	No data

10. STABILITY AND REACTIVITY

10.1 Reactivity	No data
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No data
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatible materials	No data
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data
11.2 Information on toxicological effects	
Acute toxicity	No data
Skin corrosion/ irritation	No data
Serious eye damage/ irritation	No data
Respiratory or skin sensation	No data
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
STOT-single exposure	No data
STOT-repeated exposure	No data
Aspiration hazard	No data

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	May be accumulated in organism
12.5 Other adverse effects	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal instructions	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2 Waste from residues / unused products	No data
13.3 Contaminated packaging	No data

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated as a hazardous for transportation.
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not regulated
14.6 Special precautions for user	Not regulated
14.7 International shipping information	Not regulated

15. REGULATORY INFORMATION

15.1 Regulatory information	This is safety datasheet complies with the requirements of Regulation (EC) No 1907/2006
15.2 Chemical Safety Assessment:	No data available
15.3 Inventory status	No data available

16. OTHER INFORMATION

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The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No 1907/2006

• Reference

KOSHA - Chemical information database system
Other MSDS (YOU&I Corporation, Sigma-aldrich, Science lab, Guidechem)
International uniform Chemical Safety Cards (ICSC).
Hazardous Substances Data Bank (HSDB) (<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>)
Corporate Solution From ThomsonMicromedex(<http://csi.micromedex.com>)
ECB-ESIS(European chemical Substances Information System) (<http://ecb.jrc.it/esis>)
ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
IUCLID Chemical Data Sheet, EC-ECB
International Chemical Safety Cards(ICSC) (<http://www.nihs.go.jp/ICSC>)
TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)

• Abbreviation and acronyms

ACGIH - American Conference of Industrial Hygienists

CAS - Chmical Abstracts Serviece
EC - European Community
EEC - The European Economic Community
EPA - Environmental Protection Agency
GHS- Global Harmonized System
IARC - International Agency for Research on Cancer
NIOSH - National Institute for Occupational Satety and Health
NTP - The National Toxicology Program
OSHA - Occupational Safety and Health Administration
TLV - Thhreshold Limit Value established by ACGIH
TWA - 8-hour Time Weighted Averages
STOT - Specific Target Organ Toxicity

• **Disclaimer of Liability**

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It should not therefore be construed as guaranteeing specific properties of the products
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