

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

**1.1 Product identifier**

Trade name THE BLACK 33  
Registration no. The ingredients of this ink have been registered according to 1907/2006/EC (REACH)

**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  
40, 19Beon-gil, Sandan-ro, Danwon-gu, Ansan-si, Gyeonggi-o, Korea  
(Zip code) 425-851  
Telephone 82-31-494-2030  
E-mail [tech@youicolor.com](mailto: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**

Classification according to Regulation (EC) No 1272/2008

**Information concerning particular hazards for human and environment:**

The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

**Classification system:**

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008 Not applicable  
Hazard pictograms Not applicable.  
Signal word Not applicable.  
Hazard statements Not applicable.  
Precautionary statements Not applicable.

**2.3. Other hazards**

No further relevant information available

**Results of PBT and vPvB assessment**


PBT: Not applicable.  
vPvB: Not applicable.



**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Mixture**

Components	%	Classification
Water CAS No. 7732-18-5 EINECS: 231-791-2	78	The product does not require a hazard warning label in accordance with GHS criteria.
Poly ethylene glycol CAS No. 25322-68-3 EINECS: -	10	The product does not require a hazard warning label in accordance with GHS criteria.

Components	%	Classification
POLYACRYLIC ACID CAS No. 9003-01-04 EINECS: -	0.5	The product does not require a hazard warning label in accordance with GHS criteria.
TRIETHYLENE GLYCOL CAS No. 112-27-6 EINECS: 203-953-2	3	The product does not require a hazard warning label in accordance with GHS criteria.
C. I. PIGMENT BLACK 7 CAS No. 1333-86-4 EINECS: 215-609-9	8	The product does not require a hazard warning label in accordance with GHS criteria.
2-Amino-2-methyl-1-propanol CAS No. 124-68-5 EINECS: 204-709-8	0.5	 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412

**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.

**5. FIRE FIGHTING MEASURES**

**5.1 Extinguishing media**

A fire extinguisher water, foam, CO<sub>2</sub>, NaHCO<sub>3</sub>

**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 Environmental precautions**

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of spill 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 CONTROLS / 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.

Respiratory protection Use suitable respiratory protective device in case of insufficient ventilation.

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**

Properties	Product (THE BLACK 33)	Properties	Product (THE BLACK 33)
Appearance	Liquid (BLACK)	Vapor pressure	No data available
Odor	Odorless	Vapor destiny	No data available
Odor threshold	No data available	Relative desiny	1.1 ± 0.05 g/cm <sup>3</sup>
PH	8.0 ± 1.0	Solubility	Fully miscible
Melting point/ Freezing point	No data available	Partition coefficient: n-octanol/ wate	No data available
Boiling point and range	>100°C	Auto-ignition temperature	No self-igniting
Flash point	No data available	Decomposition temperature	No data available
Evaporation ra	No data available	Viscosty	1100 ± 150 cps
Flammability (solid, gas)	No data available	Explosive properties	not explosive
Upper/lower flammability or explosive limits	No data available	Oxidizing properties	No data available



## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably not carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

## 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 groundwater, 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 available
13.3 Contaminated packaging	No data available

## 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	No
14.6 Special precautions for user	Not regulated

## 15. REGULATORY INFORMATION

### 15.1 Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No 1907/2006

### 15.2 Chemical Safety Assessment:

No data available

### 15.3 Inventory status

SARA

- Section 335 (extremely hazardous substance): Non of the ingredients is listed.
- Section 313 (Specific toxic chemical listings): Non of the ingredients is listed.
- TSCA (Toxic Substance Control Act): Non of the ingredients is listed.

Proposition 65

- known to cause cancer Non of the ingredients is listed.

- known to cause reproductive toxicity for meals Non of the ingredients is listed.

- known to cause developmental toxicity Non of the ingredients is listed.

Carcinogenicity categories

- EPA Non of the ingredients is listed.
- IARC Non of the ingredients is listed.
- NTP Non of the ingredients is listed.
- TLV Non of the ingredients is listed.
- NIOSH-Ca Non of the ingredients is listed.
- OSHA-Ca Non of the ingredients is listed.

## 16. OTHER INFORMATION

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

Eu Commission Directive 1999/45/EC, 67/548/EEC.

#### • 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 - Chemical Abstracts Service  
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 Safety and Health  
NTP - The National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
TLV - Threshold Limit Value established by ACGIH  
TWA - 8-hour Time Weighted Averages  
STOT - Specific Target Organ Toxicity

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# SAFETY DATA SHEET

(according to Regulation EC 1907/2006)



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\*\*\*\*\* End of Documents\*\*\*\*\*