

82332-1129

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

SDS No.:
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Product Identifier Product Name	Copic ciao Sparkle set
Other means of identification EAN number	4511338062869
Recommended use of the chemical and restrictions on use Recommended use(s)	Drawing pen / marker
Restrictions on use	Any uses other than recommended use
Supplier's details	
Manufacturer	Too Marker Products Inc. 7-22-17 Nishi-Gotanda, Shinagawa-ku. Tokyo, Japan
Telephone E-mail address	+81-3-5719-2655 contact@toomarker.co.jp
Emergency telephone number	+81-3-5719-2655 (Available Monday to Friday between 09:00 – 17:30 Japan time)

SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier**
Product Name Ink for "Copic Marker and "Copic Ink"
Other means of identification
Product code (SDS NO):
- 1.3 Recommended use of the chemical and restrictions on use**
Recommended use(s) Drawing ink
Restrictions on use Any uses other than recommended use
- 1.4 Supplier's details**
Manufacturer Too Marker Products Inc.
7-22-17 Nishi-Gotanda, Shinagawa-ku. Tokyo, Japan
Telephone +81-3-5719-2655
E-mail address contact@toomarker.co.jp
- 1.5 Emergency telephone number**
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SECTION 2: HAZARD(S) IDENTIFICATION

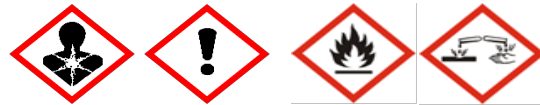
2.1 Classification of the substance or mixture

According to OSHA 29 CFR 1910.1200 HCS (2012):

Flammable liquid	Category 2
Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 1
Skin sensitisation	Category 1B.
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1A.
Specific target organ toxicity (single exposure)	Category 2 (Central Nervous System, System toxicity) Category 3 (Respiratory tract irritation, Narcotic effects)
Specific target organ toxicity (repeated exposure)	Category 1 (Liver) Category 2 (Central nervous system, Blood system).
Aquatic Acute toxicity	Category 3.
Aquatic Chronic toxicity	Category 3.

2.2 GHS label elements, including precautionary statements

Hazard pictogram(s)



Signal word(s)

Danger

Hazard statement(s)

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H350: May cause cancer.
H360: May damage fertility or the unborn child.
H371: May cause damage to central nervous system and systemic toxicity.
H372: Causes damage to liver through prolonged or repeated exposure
H373: May cause damage to blood and central nervous system through prolonged or repeated exposure
H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

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Precautionary statement(s) Prevention

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P235: Keep cool.
 P240: Ground and bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharges.
 P260: Do not breathe mist/vapours/spray.
 P264: Wash the hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302 + P352: IF ON SKIN: Wash with plenty of water.
 P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 P308 + P313: IF exposed or concerned: Get medical advice/attention.
 P310: Immediately call a POISON CENTER/ doctor/physician.
 P312: Call a POISON CENTRE/doctor/physician if you feel unwell.
 P314: Get medical advice/attention if you feel unwell.
 P321: Specific treatment (see advice on this label).
 P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362: Take off contaminated clothing and wash it before reuse.
 P370 + P378: In case of fire: Use powder extinguisher, carbon dioxide, sprinkling water, alcohol resistant foam to extinguish.
 P405: Store locked up.
 P403 + P235: Store in a well-ventilated place. Keep cool.
 P501: Dispose of contents/container in accordance with federal/state/international regulations.

Response

Storage

Disposal

2.3 Hazards Not Otherwise Classified (HNOC):

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical name	% Weight	CAS No.
Ethyl alcohol	65 – 85%	64-17-5

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1-propanol	< 10%	71-23-8
Isopropyl alcohol	< 5%	67-63-0
Poly (oxyethylene) alkyl ether	2 – 3%	84133-50-6
Rosin-modified maleic acid resin	3 – 10%	Confidential
2, 6-di-tertiary-butyl-4-cresol	< 1%	128-37-0
Dye mixture	< 15%	Confidential
Dye (Chromium and its compounds)	< 7% (As a dye containing chromium)	Confidential
Dye (Cobalt and its compounds)	< 3.5% (As a dye containing cobalt)	Confidential
Dyes (Copper and its compounds)	< 7% (As a dye containing copper)	Confidential

The specific chemical identity and/or exact percentage (concentration) of composition of the substance has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

Inhalation	<p>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell</p> <p>IF exposed or concerned, get medical advice/attention</p>
Skin Contact	<p>IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.</p>
Eye Contact	<p>IF IN EYES: Rinse with clean water for several minutes, occasionally parting eyelids. Remove contact lenses, if present and easy to do.</p> <p>If eye irritation persists: Get medical attention/advice.</p>
Ingestion	<p>IF SWALLOWED: Rinse mouth</p> <p>Call a POISON CENTER or doctor/physician if you feel unwell.</p>

4.2 Most important symptoms/effects, acute and delayed

May cause cancer.
May damage fertility or the unborn child.
May cause damage to central nervous system and systemic toxicity.
Causes damage to organs through prolonged or repeated exposure.
Causes skin irritation and may cause an allergic skin reaction.
Causes serious eye damage
May cause respiratory irritation, drowsiness or dizziness.

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4.3	Indication of immediate medical attention and special treatment needed, if necessary	Treatment should be based on the judgement of a medical professional in response to the symptoms of the patient.
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SECTION 5: FIRE-FIGHTING MEASURES

5.1	Suitable extinguishing media Suitable Extinguishing Media	In case of a small fire: powder extinguisher, carbon dioxide, water fog spray, alcohol resistant foam.
	Unsuitable Extinguishing Media	In case of a large fire: Sprinkling water, water fog spray, alcohol resistant foam. Water jets.
5.2	Specific hazards arising from the chemical	Product undergoing thermal decomposition may release corrosive/irritating or toxic gases or fumes such as oxides of carbon. Highly flammable liquid and vapour.
5.3	Special protective actions for fire-fighters	Firefighters should wear full protective clothing with self-contained breathing apparatus with full face piece operated in positive pressure mode. Extinguish fire from the windward position.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Wear protective protection as described in 'Section 8'. Only authorised personnel utilising personal protective equipment should enter the area of leak/spill. Immediately remove sources of ignition in the spillage area. Use vapour suppression foam to lower the vapour concentration. For large spills it is necessary to isolate the spillage area. Evacuate personnel upwind. Vapour is heavier than air, spreads along the ground and accumulates at a low or confined place. Keep out of low areas. Do NOT touch or walk through leaks. Ground all equipment used for handling the leakage Keep unauthorised personnel from the release area.
6.2	Environmental precautions	Do not release into the environment. Follow prescribed procedures for responding to large spills and reporting to authorities.
6.3	Methods and materials for containment and cleaning up	For containment: Stop leakage if safe to do so. In small leakage: Use dry soil, sand, or non-flammable absorbent to absorb or cover the leakage, and collect them in an empty container to be tightly closed. Dispose of accordingly. Wear protective equipment during containment. Use vapour suppression foam to lower the vapour concentration. For cleaning up: In small leakage: Use clean, antistatic tools to collect the absorbed leakage with the absorbent. In large leakage, sprinkling water lowers the vapor concentration. However, in a confined place, it may be unable to prevent combustion.
6.4	Reference to other sections	See Sections 8 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment and utilize appropriate engineering controls (as described in Section 8).
Wash hands and face thoroughly after handling.
Avoid contact, inhalation or ingestion.
Avoid contact with the eye.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use only outdoors or in a well-ventilated area.
Take off contaminated clothing and wash before reuse.
Do not eat, drink or smoke whilst using this product.
Avoid release to the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place.
Keep container tightly closed.
Keep away from ignition sources such as heat, sparks, and open flames. -No smoking.
Store away from oxidizer.
Protect the container from direct sunlight or fire.
Use containers designated by the U.N. transportation regulations for storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

OSHA PELs:

Isopropyl alcohol 8 hour TWA 400 ppm (980 mg/m³)
Ethyl alcohol 8 hour TWA 1000 ppm (1900 mg/m³)
1-propanol 8 hour TWA 200 ppm (500mg/m³)

NIOSH RELs:

Isopropyl alcohol 10 hour TWA 400 ppm, 15 minute TWA 500 ppm
Ethyl alcohol 10 hour TWA 1000 ppm
1-propanol 10 hour TWA 200 ppm, 15 minutes TWA 250 ppm

ACGIH-TLV:

Isopropyl alcohol 10 hour TWA 200 ppm, 15 minute TWA 400 ppm
Ethyl alcohol 15 minute TWA 1000 ppm
1-propanol 8 hour TWA 100 ppm

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Install hand/eye wash facilities near work area.

8.2.2 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields, goggles or face shield as required, as described by OSHA's eye and face protection regulations in 29 CFR 1910.133

Skin protection (Hand protection/ Other)

Wear protective gloves where extensive skin contact is expected.
Follow OSHA's hand protection regulations in 29 CFR 1910.138.

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Respiratory protection	Not required under ordinary conditions of use. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use NIOSH/MHSA approved dust respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Skin and body protection	Where extensive contact may arise wear impermeable protective clothing.
Hygiene measures	Do not eat drink or smoke whilst using this product. Take off contaminated clothing and wash before reuse. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Contact PPE manufacture regarding breakthrough times.
8.2.3 Environmental Exposure Controls	Follow best practice for site management and disposal of waste. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Color	Translucent
Odor	Slight alcohol odor
Odor threshold (ppm)	No information available
pH (Value)	No information available
Melting point / freezing point	Product: No data available -117 °C (Ethanol), -127 °C (1-Propanol), -90 °C (Isopropanol)
Initial boiling point and boiling range	Product: No data available 79 °C (Ethanol), 97 °C (1-Propanol), 83 °C (Isopropanol)
Flash point (°C)	14.3 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Product: No data available Ethanol: Lower limit: 3.3 vol%, Upper limit: 19.0 vol% 1-Propanol: Lower limit: 2.1 vol%, Upper limit: 13.5 vol% Isopropanol: Lower limit: 2.0 vol%, Upper limit: 12 vol%
Vapor pressure	Product: No data available Ethanol: 5.8 kPa (20°C) 1-Propanol: 2.0 kPa (20°C) Isopropanol: 4.4 kPa (20°C)

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Vapor density (Air=1)	Ethanol: 1.6 1-Propanol: 2.1 Isopropanol: 2.1
Relative Density	No data available
Solubility(ies)	Miscible with water
Partition coefficient (n-Octanol/water)	No data available
Auto ignition temperature	No data available
Decomposition temperature (°C)	No data available
Viscosity (mPa. s)	No data available
Explosive properties	No data available
Oxidising properties	No data available
9.2 Other information	This product is classified as Flammable liquid, Category 2.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Highly flammable liquid and vapour. Hazardous reaction do not occur under normal working conditions
10.2 Chemical stability	This product is considered stable under normal temperatures and pressures.
10.3 Possibility of hazardous reactions	No hazardous reactions or polymerizations releasing excessive pressure or heat occur.
10.4 Conditions to avoid	Ignition sources such as heat, sparks, and open flames.
10.5 Incompatible materials	The substance (Ethanol) reacts gradually with Calcium hypochlorite, Silver oxide or Ammonia, causing fire and explosion. The substance (Ethanol) reacts violently with Nitric acid, Silver nitrate, Mercuric nitrate or Magnesium perchlorate, causing fire and explosion hazard.
10.6 Hazardous decomposition products	Product undergoing thermal degradation may release irritating or toxic compounds such as oxides of carbon and other unknown substances.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	No data are available for the product therefore available data for the main components of the product (where available) are provided below.
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Acute toxicity	Product not classified.
Acute Oral toxicity	Product is not classified.
Product:	No data
2,6-di-tert-butyl-4-methylphenol:	LD50 1559 mg/kg bw
1-Propanol:	LD50 2,695 mg/kg bw
Isopropyl alcohol:	LD50 4,384 mg/kg bw
Ethyl alcohol:	LD50 6,200 mg/kg bw
Acute Dermal toxicity	Product not classified.
Product:	No data

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2,6-di-tert-butyl-4-methylphenol:	LD50 2,500 mg/kg bw
1-Propanol:	LD50 4,031 mg/kg bw
Ethyl alcohol:	LD50 20,000 mg/kg bw
Isopropyl alcohol:	LD50 12,870 mg/kg bw
Acute Inhalation toxicity	Product not classified.
Product:	No data For the classification of Inhalation (mist), it is impossible to classify due to lack of data.
Ethyl alcohol:	63,000 ppm
Isopropyl alcohol:	29,540 ppm
Skin corrosion/irritation	Product classified as Category 2
Product:	As the total concentration of ingredients of Category 2 exceeds the concentration limit of 10%, it is classified as Category 2.
Dye	Classified as Category 2
Serious eye damage/irritation	Product Classified as Category 1
Product:	As the total concentration of ingredients of Category 1 exceeds the concentration limit of 3%, it is classified as Category 1.
1-Propanol	Classified as Category 1
Respiratory or skin sensitization	
Respiratory:	Classification not possible due to lack of data.
Skin:	
Product:	As the concentration of ingredient of Category 1B exceeds the concentration limit of 1.0%, it is classified as Category 1
2,6-di-tert-butyl-4-methylphenol:	Classified as Category 1B skin sensitizer
Germ cell mutagenicity	Classification not possible due to lack of data.
Carcinogenicity	Product classified as Category 1A carcinogen.
Product:	As the concentration of ingredient of Category 1A exceeds the concentration limit of 0.1%, it is classified as Category 1A.
Ethyl alcohol:	Classified as Category 1A carcinogen.
Reproductive toxicity	Product classified as Reproductive Toxicity Category 1A.
Product:	As the concentration of ingredient of Category 1A exceeds the concentration limit of 0.3%, it is classified as Category 1A.
Ethyl alcohol:	Classified as reproductive toxicity Category 1A.
1-Propanol:	Classified as reproductive toxicity Category 1B.
Isopropyl alcohol:	Classified as reproductive toxicity Category 1B.
STOT - single exposure	Product classified as Category 2 and Category 3
Product	Category 2: Causes damage to the Central Nervous System and systemic toxicity. Category 3: Causes respiratory tract irritation and narcotic effects. As the total concentration of ingredients of Category 3 (Respiratory tract irritation) exceeds the concentration limit of 20%, it is classified as Category 3 (Respiratory tract irritation). As the total concentration of ingredients of Category 3 (Narcotic effects) exceeds the concentration limit of 20%, it is classified as Category 3 (Narcotic effects).
Isopropyl alcohol:	Classified as Category 1 (Central Nervous System and System toxicity).
Ethyl alcohol:	Classified as Category 3 (Respiratory tract irritation)
1-Propanol:	Classified as Category 3 (Respiratory tract irritation)
Isopropyl alcohol:	Classified as Category 3 (Respiratory tract irritation)

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Ethyl alcohol:	Classified as Category 3 (Narcotic effects)
1-Propanol:	Classified as Category 3 (Narcotic effects)
STOT - repeated exposure	Product classified as Category 1 and Category 2.
Product:	As the concentration of ingredient of Category 1 (Liver) exceeds the concentration limit of 10%, it is classified as Category 1 (Liver). As the concentration of each ingredient of Category 1 (Blood system) ranges the concentration limit of ($\geq 1.0\%$, $< 10\%$), it is classified as Category 2 (Blood system). As the concentration of ingredient of Category 2 (Central nervous system) exceeds the concentration limit of 10%, it is classified as Category 2 (Central nervous system).
Ethyl alcohol:	Classified as Category 1 (Blood system)
Isopropyl alcohol:	Classified as Category 1 (Blood system)
Ethyl alcohol:	Classified as Category 1 (Blood system)
Aspiration hazard	Classified as Category 2 (Central Nervous System) Classification not possible due to lack of data

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
Acute Aquatic Toxicity	Product is classified as Acute Aquatic Toxicity Category 3.
Product:	In the summation method, the value of ($M \times 100 \times \text{Category 1}$)
2,6-di-tert-butyl-4-methylphenol	Classified as Category 1.
polyoxyethylene alkyl ethers	Classified as Category 1.
Chronic Aquatic Toxicity	Product classified as Chronic Aquatic Toxicity Category 3.
2,6-di-tert-butyl-4-methylphenol	Classified as Category 1
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Other adverse effects	Do not release a large amount of this product into sewers, drains, rivers, lakes, sea, the air, or soil as the product contains environmental pollutants. This product does not contain substances listed in the appendix of the Montreal protocol.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods	
13.1.1 Residual wastes	Commission waste to a licenced waste disposer.
13.1.2 Contaminated containers and packaging	Remove contents completely before disposal of empty containers. Dispose of soiled containers in accordance with local/national regulations. Containers should be cleaned for recycle, or appropriately disposed of according to related regulations and rules by the regional government. Avoid release to the environment.

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SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1263
14.2	UN Proper Shipping Name	PAINT
14.3	Transport hazard class(es)	3
14.4	Packing Group	II
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	Not available.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	If the product is transported in bulk, the regulations are applied to the product.

Additional information:	Marker pens (COPIC Classic/Sketch/Ciao) containing quantities of ≤ 10 mL of Ink for "Copic Marker and "Copic Ink" can be transported as non-hazardous goods without applying the criteria specified in this section.
Information on consumer products Product Name:	COPIC Classic/Sketch/Ciao A marker pen contains alcohol-based ink for "Copic Marker and "Copic Ink", hereinafter referring to COPIC marker pen.
Product Type:	Finished Product – Consumer (Retail) Use Only
UN number	UN3175
UN Proper Shipping Name:	Solids containing flammable liquid, n.o.s (Contains: Ethyl alcohol and Propanol)
Special Provisions (SP):	UN SP 216 As a consumer product, COPIC marker pens meet the definition of UN3175. Although these products meet the definition of UN3175, they are exempt as a small sealed article or packet containing <10ml of fully absorbed liquid (i.e. Ink for "Copic Marker and "Copic Ink") according to UN SP 216. The definition of UN SP 216 Mixtures of solids which are not subject to these Regulations and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, providing there is no free liquid visible at the time the substance is packaged and the packaging must pass a leak proof-ness test at the Packing Group II level. Small inner packaging consisting of sealed packets or articles containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these Regulations provided there is no free liquid in the packet or article.
Air Regulations:	No dangerous goods, IATA/ICAO SP A46 (the same definition as UN SP 216)
Marine Regulations:	No dangerous goods, IMDG SP 216 (the same definition as UN SP 216)

SECTION 15: REGULATORY INFORMATION

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

TSCA list

: All components of this product are listed on the TSCA Inventory

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OSHA Hazards : This product is classified as hazardous under 29CFR1910.120

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311 / 312 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312.

SARA 313 : Isopropyl alcohol is subject to the reporting requirements of Section 313 of SARA Title III.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product contains ethyl alcohol, 1-propanol, Isopropyl alcohol are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

This product contains Isopropyl alcohol, 1-propanol, ethyl alcohol, 2, 6-di-tertiary-butyl-4-cresol which are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

This product contains Ethyl alcohol, 1-propanol, 2, 6-di-tertiary-butyl-4-cresol, Isopropyl alcohol which are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know

This product contains ethyl alcohol, 1-propanol, Isopropyl alcohol and 2, 6-di-tertiary-butyl-4-cresol are subject to the New Jersey Right To Know Act.

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Further information:

NFPA:

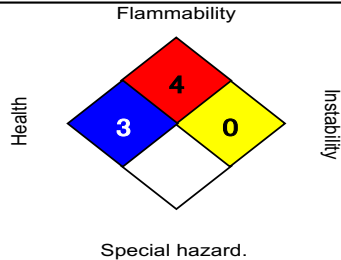
HMIS III:

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HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Date of preparation of SDS: 14 August 2020

Revision Date: Not applicable. **Revision Number:** Not applicable.

REFERENCES

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)).
Supplier information
OSHA Annotated Table Z-1 <https://www.osha.gov/dsg/annotated-pels/tablez-1.html>

ABBREVIATIONS

BCF: Bioconcentration factor
EC50: half maximal effective concentration
IARC: International Agency for Research on Cancer
LD50: lethal dose, 50%
LC50: lethal concentration, 50%
NTP: National Toxicology Program
PPE: Personal protective equipment
STOT: Specific target organ toxicity
TWA: Time weighted average

OTHER INFORMATION

- (1) To the best of our knowledge as of the date hereof, the information contained herein is accurate. However, no warranty is made with respect to, and Too Marker Products Inc. or any of its subsidiaries, assumes no liability for lack of, the accuracy or completeness of the information contained herein.
- (2) The precautionary measures in handling the material which is the subject of this data sheet ("Material") as mentioned herein are based upon an assumption that the Material is handled in an ordinary way. In case of special handling, extra or different safety measures suitable thereof need to be taken.
- (3) It is your own responsibility to examine and confirm if the Material meets or suits any regulation or restriction in your country or of your local authority.
- (4) Final determination of safety and suitability of the Material for your intended use is your sole responsibility. The Material may present unknown hazards, and therefore should be handled with adequate caution. Although certain hazards are described herein, neither Too Marker Products Inc. nor any of its subsidiaries guarantees that they are the only hazards which exist in relation to the Material.

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According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: COPIC MULTILINER BLACK 0.3mm

Product code (SDS NO): MULTILINER_INK_BLACK_US-1

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

Relevant identified uses of the product: Ink for writing utensils

2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

HEALTH HAZARDS

Acute toxicity (Oral): Category 4

(Note) GHS classification without description: Not classified/Classification not possible

Label elements



Signal word: Warning

HAZARD STATEMENT

H302 Harmful if swallowed

PRECAUTIONARY STATEMENT

Prevention

P264 Wash contaminated parts thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Response

P330 Rinse mouth.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal

P501 Dispose of contents/container in accordance with local/national regulation.

3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name	CAS No.	Content (%)
Ethylene glycol	107-21-1	10 - 20
Diethylene glycol monobutyl ether	112-34-5	1 - 10
Potassium hydroxide	1310-58-3	< 1
Glycerin	56-81-5	1 - 10
Isopropyl alcohol	67-63-0	1 - 10
Copolymer	CBI	1 - 10
Diethylene glycol	111-46-6	1 - 10
Urea	57-13-6	1 - 10
C.I. Pigment Black 7	1333-86-4	1 - 10
Water	7732-18-5	50 - 60

Note : The figures shown above are not the specifications of the product.

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.
Immediately call a POISON CENTER or doctor/physician.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use water mist, foam, dry powder, CO2 to extinguish.

Unsuitable extinguishing media

Do not use direct water jet.

Specific hazards arising from the substance or mixture

Fire may produce irritating, corrosive and/or toxic gases.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.
Cool container with water spray.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode

6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.
Ventilate area until material pick up is complete.
Wear proper protective equipment.
Stop leak if safe to do so.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.
Do not wash away into sewers or waterway.

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.
For large spill, dike for later disposal.
Fill the disposal into labelled, closable containers.

Preventive measures for secondary accident

Wash contaminated surfaces with water.

7. Handling and storage

Precautions for safe handling

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According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Preventive measures

(Exposure Control for handling personnel)

Avoid breathing mist/vapors/spray.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Use personal protective equipment as required.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Wash contaminated parts thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed.

Keep cool. Protect from sunlight.

Store locked up.

8. Exposure controls/personal protection

Control parameters

Adopted value

(Ethylene glycol)

ACGIH(2016) TWA: 25ppm(V);

STEL: 50ppm (V), 10mg/m³(I,H) (URT irr)

(Diethylene glycol monobutyl ether)

ACGIH(2012) TWA: 10ppm (IFV) (Hematologic; liver & kidney eff)

(Potassium hydroxide)

ACGIH(1992) STEL: C 2mg/m³ (URT, eye & skin irr)

(C.I. Pigment Black 7)

ACGIH(2010) TWA: 3mg/m³(I) (Bronchitis)

(Isopropyl alcohol)

ACGIH(2001) TWA: 200ppm;

STEL: 400ppm (Eye & URT irr; CNS impair)

OSHA-PEL

(C.I. Pigment Black 7)

TWA: 3.5mg/m³

(Glycerin)

TWA: 15mg/m³ (Total dust)

TWA: 5mg/m³ (Respirable fraction)

(Isopropyl alcohol)

TWA: 400ppm, 980mg/m³

NIOSH-REL

(C.I. Pigment Black 7)

TWA: 3.5mg/m³ (without PAHs); when PAHs are present,

NIOSH considers carbon black to be a potential carcinogen.

See Appendix A, See Appendix C.

(Glycerin)

See Appendix D

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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(Isopropyl alcohol)

TWA: 400ppm; STEL: 500ppm

California proposition 65

developmental MADL

(Ethylene glycol)

MADL=(oral) 8700µg/day

Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

Individual protection measures

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Wear protective gloves. Recommended material(s): impermeable or chemical resistant rubber

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: Black

Odor: Slight characteristic odor

pH: 8.0 - 10.5

Boiling point or initial boiling point data is not available.

Melting point/Freezing point data is not available.

Flammability (gases, liquids and solids): Non-ignitable

Flash point data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water: Soluble

Solubility in solvent data is not available.

10. Stability and Reactivity

Chemical stability

Stable under normal storage/handling conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

Conditions to avoid

Conditions to avoid data is not available.

Incompatible materials

Incompatible materials data is not available.

Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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Skin corrosion/irritation data is not available.
Serious eye damage/irritation data is not available.
Allergenic and sensitizing effects data is not available.
Mutagenic effects data is not available.

Carcinogenicity

(C.I. Pigment Black 7)

IARC-Gr.2B : Possibly carcinogenic to humans

(Isopropyl alcohol)

IARC-Gr.3 : Not Classifiable as a Human Carcinogen

(C.I. Pigment Black 7)

ACGIH-A3(2010) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

(Ethylene glycol)

ACGIH-A4(2016) : Not Classifiable as a Human Carcinogen

(Isopropyl alcohol)

ACGIH-A4(2001) : Not Classifiable as a Human Carcinogen

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.

12. Ecological Information

Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(Ethylene glycol)

100 g/100 ml (PHYSPROP_DB, 2005)

(Diethylene glycol)

100 g/100 ml (SRC, 2005)

(Diethylene glycol monobutyl ether)

100 g/100 ml (PHYSPROP_DB, 2009)

(Potassium hydroxide)

110 g/100 ml (25°C) (ICSC, 2010)

(C.I. Pigment Black 7)

none (ICSC, 2010)

(Glycerin)

miscible (ICSC, 2006)

(Urea)

miscible (ICSC, 1997)

(Isopropyl alcohol)

In water, infinitely soluble (25°C) (HSDB, 2013)

Persistence and degradability

(Ethylene glycol)

Degrade rapidly (BOD_Degradation : 90%/14days (Registered chemicals data check & review, 1988))

(Isopropyl alcohol)

Degrade rapidly (Degradation : 86% (Registered chemicals data check & review, 1993))

Bioaccumulative potential

(Ethylene glycol)

log Pow=-1.93 (ICSC, 1999)

(Diethylene glycol)

log Pow=-1.47 (ICSC, 2007)

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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(Diethylene glycol monobutyl ether)
log Pow=0.3 (ICSC, 2004)
(Glycerin)
log Pow=-1.76 (ICSC, 2006)
(Urea)
log Pow=-3.00 through -1.54 (ICSC, 1997)
(Isopropyl alcohol)
log Pow=0.05 (ICSC, 1999)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging

Waste treatment methods

Dispose of contents/container in accordance with local/national regulation.

Dispose to an authorized waste collection point.

Do not dump into sewers, on the ground or into any body of water.

Contaminated packing

Dispose of container after using the contents completely.

14. Transport Information

Not applicable to UN No., UN CLASS

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

Environmental hazards

MARPOL Annex III - Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Noxious Liquid ; Cat. Y

Ethylene glycol; Potassium hydroxide

Noxious Liquid ; Cat. Z

Isopropyl alcohol; Glycerin; Diethylene glycol; Urea; Diethylene glycol monobutyl ether

15. Regulatory Information

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

US major regulations

Chemicals listed in TSCA Inventory

Glycerin; Urea; Isopropyl alcohol; Diethylene glycol; Ethylene glycol;

Diethylene glycol monobutyl ether; Potassium hydroxide; C.I. Pigment Black 7; Water

California proposition 65

cancer

C.I. Pigment Black 7

developmental

Ethylene glycol

Other regulatory information

We are not able to check up other regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility.

SAFETY DATA SHEET

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16. Other information

GHS classification and labelling

Acute Tox. 4: H302 Harmful if swallowed

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (6th ed., 2015), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN

IMDG Code, 2018 Edition (Incorporating Amendment 39-18)

IATA Dangerous Goods Regulations (60th Edition) 2019

Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)

2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2019 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

GESTIS-Stoffdatenbank

Pub Chem (OPEN CHEMISTRY DATABASE)

General Disclaimer

The GHS classification data given here is based on EU CLP - 2018 & US Hazard Communication Standard - 2012.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: COPIC MULTILINER COOL GRAY 0.1 mm

Product code (SDS NO): MULTILINER_INK_COOL_GRAY_US-1

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

Relevant identified uses of the product: Ink for writing utensils

2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

Not classified/Classification not possible

Label elements

No GHS label element

No Signal word

3. Composition/information on ingredients

Mixture/Substance selection:

Mixture

Ingredient name	CAS No.	Content (%)
Ethylene glycol	107-21-1	10 - 20
Diethylene glycol monobutyl ether	112-34-5	< 1
Potassium hydroxide	1310-58-3	< 1
Glycerin	56-81-5	20 - 30
Isopropyl alcohol	67-63-0	< 1
Copolymer	CBI	20 - 30
Diethylene glycol	111-46-6	< 1
Urea	57-13-6	< 1
C.I. Pigment Black 7	1333-86-4	< 1
C.I. Pigment Blue 15	147-14-8	< 1
C.I. Pigment Red 258	57301-22-1	< 1
Water	7732-18-5	40 - 50

Note : The figures shown above are not the specifications of the product.

4. First-aid measures

Descriptions of first-aid measures

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Wash with plenty of soap and water.

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If skin irritation occurs: Get medical advice/attention.

IF IN EYES

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

Immediately call a POISON CENTER or doctor/physician.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

In case of fire, use water mist, foam, dry powder, CO2 to extinguish.

Unsuitable extinguishing media

Do not use direct water jet.

Specific hazards arising from the substance or mixture

Fire may produce irritating, corrosive and/or toxic gases.

Advice for firefighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Cool container with water spray.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

6. Accidental release measures

Personnel precautions, protective equipment and emergency procedures

Keep unauthorized personnel away.

Ventilate area until material pick up is complete.

Wear proper protective equipment.

Stop leak if safe to do so.

Environmental precautions

Prevent spills from entering sewers, watercourses or low areas.

Do not wash away into sewers or waterway.

Methods and materials for containment and cleaning up

Absorb spill with inert material (dry sand, earth, et al), then place in a chemical waste container.

For large spill, dike for later disposal.

Fill the disposal into labelled, closable containers.

Preventive measures for secondary accident

Wash contaminated surfaces with water.

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7. Handling and storage

Precautions for safe handling

Preventive measures

(Exposure Control for handling personnel)

Avoid breathing mist/vapors/spray.

(Safety treatments)

Avoid contact with skin.

Avoid contact with eyes.

Safety Measures

Use personal protective equipment as required.

Advice on general occupational hygiene

Do not get in eyes, on skin, or on clothing.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

Wash hands thoroughly after handling.

Storage

Conditions for safe storage

Store in a well-ventilated place. Keep container tightly closed.

Keep cool. Protect from sunlight.

Store locked up.

8. Exposure controls/personal protection

Control parameters

Adopted value

(Ethylene glycol)

ACGIH(2016) TWA: 25ppm(V);

STEL: 50ppm (V), 10mg/m³(I,H) (URT irr)

(Diethylene glycol monobutyl ether)

ACGIH(2012) TWA: 10ppm (IFV) (Hematologic; liver & kidney eff)

(Potassium hydroxide)

ACGIH(1992) STEL: C 2mg/m³ (URT, eye & skin irr)

(C.I. Pigment Black 7)

ACGIH(2010) TWA: 3mg/m³(I) (Bronchitis)

(Isopropyl alcohol)

ACGIH(2001) TWA: 200ppm;

STEL: 400ppm (Eye & URT irr; CNS impair)

OSHA-PEL

(C.I. Pigment Black 7)

TWA: 3.5mg/m³

(Glycerin)

TWA: 15mg/m³ (Total dust)TWA: 5mg/m³ (Respirable fraction)

(Isopropyl alcohol)

TWA: 400ppm, 980mg/m³

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According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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NIOSH-REL

(C.I. Pigment Black 7)

TWA: 3.5mg/m³ (without PAHs); when PAHs are present,
NIOSH considers carbon black to be a potential carcinogen.

See Appendix A, See Appendix C.

(Glycerin)

See Appendix D

(Isopropyl alcohol)

TWA: 400ppm; STEL: 500ppm

California proposition 65

developmental MADL

(Ethylene glycol)

MADL=(oral) 8700µg/day

Exposure controls

Appropriate engineering controls

Do not use in areas without adequate ventilation.

Eye wash station should be available.

Washing facilities should be available.

Individual protection measures

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Wear protective gloves. Recommended material(s): impermeable or chemical resistant rubber

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state: Liquid

Color: Gray

Odor: Slight characteristic odor

pH: 8.0 - 10.5

Boiling point or initial boiling point data is not available.

Melting point/Freezing point data is not available.

Flammability (gases, liquids and solids): Non-ignitable

Flash point data is not available.

Kinematic viscosity data is not available.

Solubility:

Solubility in water: Soluble

Solubility in solvent data is not available.

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10. Stability and Reactivity

Chemical stability

Stable under normal storage/handling conditions.

Possibility of hazardous reactions

Possibility of hazardous reactions data is not available.

Conditions to avoid

Conditions to avoid data is not available.

Incompatible materials

Incompatible materials data is not available.

Hazardous decomposition products

Hazardous decomposition products data is not available.

11. Toxicological Information

Information on toxicological effects

Acute toxicity data is not available.

Irritant properties

Skin corrosion/irritation data is not available.

Serious eye damage/irritation data is not available.

Allergenic and sensitizing effects data is not available.

Mutagenic effects data is not available.

Carcinogenicity

(C.I. Pigment Black 7)

IARC-Gr.2B : Possibly carcinogenic to humans

(Isopropyl alcohol)

IARC-Gr.3 : Not Classifiable as a Human Carcinogen

(C.I. Pigment Black 7)

ACGIH-A3(2010) : Confirmed Animal Carcinogen with Unknown Relevance to Humans

(Ethylene glycol)

ACGIH-A4(2016) : Not Classifiable as a Human Carcinogen

(Isopropyl alcohol)

ACGIH-A4(2001) : Not Classifiable as a Human Carcinogen

Teratogenic effects data is not available.

Reproductive toxicity data is not available.

STOT

STOT-single exposure data is not available.

STOT-repeated exposure data is not available.

Aspiration hazard data is not available.

12. Ecological Information

Ecotoxicity

Ecotoxicity data is not available.

Water solubility

(Ethylene glycol)

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100 g/100 ml (PHYSROP_DB, 2005)
(Diethylene glycol)
100 g/100 ml (SRC, 2005)
(Diethylene glycol monobutyl ether)
100 g/100 ml (PHYSROP_DB, 2009)
(Potassium hydroxide)
110 g/100 ml (25°C) (ICSC, 2010)
(C.I. Pigment Black 7)
none (ICSC, 2010)
(C.I. Pigment Blue 15)
none (ICSC, 2006)
(Glycerin)
miscible (ICSC, 2006)
(Urea)
miscible (ICSC, 1997)
(Isopropyl alcohol)
In water, infinitely soluble (25°C) (HSDB, 2013)

Persistence and degradability

(Ethylene glycol)

Degrade rapidly (BOD_Degradation : 90%/14days (Registered chemicals data check & review, 1988))

(Isopropyl alcohol)

Degrade rapidly (Degradation : 86% (Registered chemicals data check & review, 1993))

Bioaccumulative potential

(Ethylene glycol)

log Pow=-1.93 (ICSC, 1999)

(Diethylene glycol)

log Pow=-1.47 (ICSC, 2007)

(Diethylene glycol monobutyl ether)

log Pow=0.3 (ICSC, 2004)

(C.I. Pigment Blue 15)

log Pow=6.6 (calc.) (ICSC, 2006)

(Glycerin)

log Pow=-1.76 (ICSC, 2006)

(Urea)

log Pow=-3.00 through -1.54 (ICSC, 1997)

(Isopropyl alcohol)

log Pow=0.05 (ICSC, 1999)

Mobility in soil

Mobility in soil data is not available.

Other adverse effects

Ozone depleting chemical data is not available.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal,

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including the disposal of any contaminated packaging

Waste treatment methods

- Dispose of contents/container in accordance with local/national regulation.
- Dispose to an authorized waste collection point.
- Do not dump into sewers, on the ground or into any body of water.

Contaminated packing

- Dispose of container after using the contents completely.

14. Transport Information

Not applicable to UN No., UN CLASS

Not applicable to IMDG Code

Not applicable to IATA Dangerous Goods Regulations

Environmental hazards

MARPOL Annex III - Prevention of pollution by harmful substances

Marine pollutants (yes/no) : no

Transport in bulk according to Annex II of MARPOL73/78 and IBC Code

Noxious Liquid ; Cat. Y

Ethylene glycol; Potassium hydroxide

Noxious Liquid ; Cat. Z

Isopropyl alcohol; Glycerin; Diethylene glycol; Urea; Diethylene glycol monobutyl ether

15. Regulatory Information

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

US major regulations

Chemicals listed in TSCA Inventory

Glycerin; Urea; Isopropyl alcohol; Diethylene glycol; C.I. Pigment Blue 15;

Ethylene glycol; Diethylene glycol monobutyl ether; Potassium hydroxide; C.I. Pigment Black

7;

Water; C.I. Pigment Red 258

California proposition 65

cancer

C.I. Pigment Black 7

developmental

Ethylene glycol

Other regulatory information

We are not able to check up other regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility.

16. Other information

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

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The product is not applicable to GHS classifications.

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (6th ed., 2015), UN Recommendations on the TRANSPORT OF DANGEROUS GOODS 20th edit., 2017 UN IMDG Code, 2018 Edition (Incorporating Amendment 39-18)
IATA Dangerous Goods Regulations (60th Edition) 2019
Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)
2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)
2019 TLVs and BEIs. (ACGIH)
<http://monographs.iarc.fr/ENG/Classification/index.php>
Supplier's data/information
Hazard Communication Standard - 2012 (29 CFR 1910.1200)
GESTIS-Stoffdatenbank
Pub Chem (OPEN CHEMISTRY DATABASE)

General Disclaimer

The GHS classification data given here is based on EU CLP - 2018 & US Hazard

Communication

Standard - 2012.

This data sheet was created based on the information we currently have and may be revised according to new information. In addition, the precautions apply only to normal handling, and in the case of special handling, please make adequate countermeasure to maintain your safety.