

Safety Data Sheet

1. IDENTIFICATION

Product identifier

Mixture identification: Mixture
Trade name: UV ink cleaning Cartridge

Recommended use of the chemical and restrictions on use

Recommended use: Ink for inkjet printing

Details of the supplier of the safety data sheet

Company: Anker Innovations Limited
Unit 56, 8th Floor, Tower 2,
Admiralty Centre, 18 Harcourt Road, Hong Kong
United States Mon-Fri 9:00AM - 4:00PM (PT) +1 (800) 221 0126

For further information, please contact

Email: support@ankermake.com

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Category 5

Label elements

WARNING

Hazard pictograms:



Hazard statements:

None

Precautionary statements:

P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Additional classification information

Combustible liquid

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

TSCA section 6(h):

2,4,6-TTBP (CAS:732-26-3)/HCBP(CAS:87-68-3)/DecaBDE(CAS:1163-19-5)/PCTP(CAS:133-49-3)/PIP(3:1)(CAS:68937-41-7) are Not Detected in conformity with TSCA section 6(h).

Mixtures

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Hazardous components within related classification and Regulations:

Qty	Name	Ident. Number	Classification
100%	Tripropylene glycol monomethyl ether	CAS: 25498-49-1 EC: 247-045-4	None (HNOC/GHS).

4. FIRST-AID MEASURES

General advice

Do not breathe dust/fume/gas/mist/vapors/spray
Do not get in eyes, on skin, or on clothing

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

In case of eyes contact:

In case of contact with eyes, Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

If eye irritation persists: Get medical advice/attention.

In case of Ingestion:

Do not under any circumstances induce vomiting. Clean mouth with water, OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Seek immediate medical attention/advice

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO2, dry chemical, dry sand, alcohol-resistant foam, mist of alkali salts water

Move containers from fire area if you can do it without risk

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Remove combustible materials from their surroundings immediately

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: None

Explosive properties: No data available

Oxidizing properties: No data available

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus and personal protective equipment as required. In the event of fire and/or explosion do not breathe fumes.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment, and emergency procedures

Stay upwind
Evacuate personnel to safe areas
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)
Use personal protective equipment as required
Avoid contact with skin, eyes and inhalation of vapors
In the case of vapor formation use a respirator with filter model
In case of fire: Stop leak if safe to do so
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing
Ensure adequate ventilation, especially in confined areas Wash thoroughly after handling.

Environmental Precautions

See Section 12 for additional Ecological Information
Dispose of contents/container to an approved waste disposal plant Do not flush into surface water or sanitary sewer system
Avoid release to the environment Collect spillage

Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so
Wash with plenty of water. Soak up with inert absorbent material
Dam up
Use only non-sparking tools

7. HANDLING AND STORAGE

Precautions for safe handling

Take precautionary measures against static discharges
Use personal protection recommended in Section 8 Use only in well-ventilated areas
Avoid contact with skin, eyes or clothing
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea
Do not breathe dust/fume/gas/mist/vapors/spray Wash contaminated clothing before reuse
Wash hands thoroughly and gargle after handling
Burn or dispose of the wiping cloths used to clean up the product at once

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)
Use spark-proof tools and explosion-proof equipment Incompatible with oxidizing agents
Store locked up
The product shall be stored in the original containers/vessels

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas
Showers
Eyewash stations
Ventilation systems

Personal protective equipment

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Eye/face Protection	Wear safety glasses with side shields (or goggles)
Hand Protection	Wear protective gloves
Skin and Body Protection	Wear suitable protective clothing Antistatic footwear
Respiratory protection	Wear suitable respiratory equipment Respirator cartridge should be exchanged at regular intervals or at proper time according to breakthrough time

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid	ODR	slight odor
appearance	No information available	odor threshold	No information available
color	clear		
Property	Values	Remarks • Method	
pH	not applicable		
Melting point/freezing point	-77.8 °C (-108.0 °F)		
Boiling point/boiling range	no data available	No information available	
Flash Point	≥113 °C	Ceta Closed Cup	
Evaporation Rate	no data available	No information available	
Combustibility	Combustible		
Flammability Limits in Air			
Upper flammability limits	no data available		
Lower Flammability Limit	no data available		
vapor pressure	0.0 hPa at 25 °C (77 °F)	No information available	
Vapor Density	no data available	No information available	
Specific gravity	0.9-1.1		
solubility(ies)			
Water solubility	Soluble in water		
Organic Solvent Solubility	soluble in organic solvents		
Partition coefficient	no data available	No information available	
Autoignition Temperature	>277 °C (531 °F)	No information available	
decomposition temperature	no data available	No information available	
Kinematic viscosity	no data available		
Explosive properties	No information available		
Oxidizing properties	No information available		

Chemical name	Boiling point °C	Density	vapor pressure	Vapor Density	Flash Point	Autoignition Temperature
Tripropylene glycol monomethyl ether	241 - 255 °C	0.97 g/cm ³ (20 °C)-	<0.01 hPa (20 °C)	no data available	>113 °C open cup	>277 °C (531 °F)

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Stability

Stable under normal conditions ,Heating may cause an explosionChemical

Possibility of hazardous reactions

Explosion data

May be ignited by heat, sparks or flames if Mechanical Impact

May be ignited by heat, sparks or flames if Static Discharge

Conditions to avoid

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Take precautionary measures against static discharges

Extremes of temperature and direct sunlight

Incompatible materials

Reference to other sections; 7

Hazardous decomposition products

May emit toxic fumes under fire conditions

11. TOXICOLOGICAL INFORMATION

Acute toxicity estimate Oral - 3,500 mg/kg

(Calculation method)

Inhalation: No data available

LD50 Dermal - Rabbit - male - 15,440 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation Skin - Rabbit

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation Eyes - Rabbit

Result: No eye irritation

Respiratory or skin sensitization - Mouse

Result: Does not cause skin sensitization.

(OECD Test Guideline 429)

Additional Information Repeated dose toxicity - Rabbit - male -

NOAEL (No observed adverse effect level) - 965 mg/kg RTECS: UB8070000

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] / Other	Japan GHS Classification / Other
Tripropylene glycol monomethyl ether	3500	Rabbit - male - 15,440 mg/kg	No data available	None	None	None

GHS/CLP Classification Note:

Acute Tox. Der. :Acute toxicity - Dermal, Acute Tox. Inh. (D/M) :Acute toxicity - Inhalation - Dusts and Mists, Acute Tox. Inh.

(Gas) :Acute toxicity - Inhalation - Gases, Acute Tox. Inh. (Vap) :Acute toxicity - Inhalation - Vapours, Acute Tox. Oral :Acute

toxicity - Oral, Aquatic Acute :Acute Hazardous to the aquatic environment, Aquatic Chronic :Chronic Hazardous to the aquatic environment, Asp. Tox. :Aspiration hazard, Carc. :Carcinogenicity, Expl. :Explosives, Eye Dam. :Serious eye damage, Eye Irrit. :Eye irritation, Flam. Gas :Flammable gases (including chemically - unstable gases), Flam. Liq. :Flammable liquids, Flam. Solid :Flammable solids, Lact. :Effects on or via lactation, Met. Corr. :Corrosive to metals, Muta. :Germ cell mutagenicity,

Org. Perox. :Organic peroxides, Ox. Gas :Oxidizing gases, Ox. Liq. :Oxidizing liquids, Ox. Sol. :Oxidizing solids, Press.

Gas :Gases under pressure, Pyr. Liq. :Pyrophoric liquids, Pyr. Sol. :Pyrophoric solids, Repr. :Reproductive toxicity, Resp.

Sens. :Respiratory sensitization, Self-heat. :Self-heating substances and mixtures, Self-react. :Self-reactive substances and

mixtures, Skin Corr. :Skin corrosion, Skin Irrit. :Skin irritation, Skin Sens. :Skin sensitization, STOT RE

:Specific target organ toxicity – Repeated exposure, STOT SE :Specific target organ toxicity – Single exposure,

Water-react. :Substances and

mixtures which, in contact with water emit flammable gases

12. ECOLOGICAL INFORMATION

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Ecotoxicity

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Waste from Residues/Unused

Should not be released into the environment

Products/Disposal

should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal

other information

Store in a tightly sealed drum to prevent the spillage of the content

14. TRANSPORT INFORMATION

Containers/vessels must be leakage-free. Loading must be done to prevent containers from falling, dropping down and being damaged

Take necessary steps to prevent collapse

UN Number

not applicable

Packing Group

not applicable

ERG Code

133

Proper Shipping Name

not applicable

IMDG

14.1 UN Number

not applicable

14.2 Proper Shipping Name

Not regulated

14.3 Hazard Class

Not regulated

14.4 Packing Group

not applicable

14.6 Special Provisions

None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

RID

14.1 UN Number

not applicable

14.2 Proper Shipping Name

Not regulated

14.3 Hazard Class

Not regulated

14.4 Packing Group

not applicable

14.5 Environmental hazard

not applicable

14.6 Special Provisions

None

ADR

14.1 UN Number

not applicable

14.2 Proper Shipping Name

Not regulated

14.3 Hazard Class

Not regulated

14.4 Packing Group

not applicable

14.5 Environmental hazard

not applicable

14.6 Special Provisions

None

ICAO (air)

14.1 UN Number

not applicable

14.2 Proper Shipping Name

Not regulated

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14.3	Hazard Class	Not regulated
14.4	Packing Group	not applicable
14.5	Environmental hazard	not applicable
14.6	Special Provisions	None
IATA		
14.1	UN Number	not applicable
14.2	Proper Shipping Name	Not regulated
14.3	Hazard Class	Not regulated
14.4	Packing Group	not applicable
14.5	Environmental hazard	not applicable
14.6	Special Provisions	None

15. REGULATORY INFORMATION

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

Chemical name	CAS No	French RG number	Seveso III Directive
Tripropylene glycol monomethyl ether	25498-49-1	-	No information available

15.2 US Federal Regulations

Toxic Substance Control Act (TSCA) :

All chemical substances in this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory or are otherwise in compliance with TSCA inventory requirements. The commercial activities related to this product are in compliance with Section 6 (Chemical Management) of TSCA and its implementing regulations.

California Proposition 65:

Based on test results, this product does not contain chemicals listed under California Proposition 65 at levels that would require a warning. This product is compliant with California Proposition 65 requirements.

15.3 European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

16. OTHER INFORMATION

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Full text of R-phrases referred to under sections 2 and 3

None

Full text of H-Statements referred to under section 3

None

Key literature references and sources for data LOLI Database (ChemADVISOR, Inc.)

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet