Material Safety Data Sheet

Completed **16-09-2024**
Revision: (date) **-**
SDS version **1.0**

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Trade Name: Illustration Marker
Colour code: 1, 7, 12, 19, 22, 31, 38, 41, 47, 52, 54, 64, 98
UFI: 9NGA-QVPW-520E-EE10

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

Recommended uses:
Visual arts and hobby.

Uses advised against:
This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

www.cchobby.com
Rasmus Færchs Vej 23
7500 Holstebro
Denmark
Tlf.: +45 96 13 30 10

www.cchobby.com
2 Pine Court, Kembrey Park Swindon
Wiltshire, SN2 8AD
UK
+44 (0)793 616 068

Contact person and E-mail:
compliance@cchobby.dk

The Safety data sheet is completed and validated by:
Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: RC

1.4. Emergency telephone number

NHS (National Health Service): 111
Use your national or local emergency number - See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019:
Flam. Liq. 2;H225
Aquatic Chronic 3;H412

See full text of H-phrases in section 16.

2.2. Label elements

Signal word:
Danger

Highly flammable liquid and vapour. (H225)
Harmful to aquatic life with long lasting effects. (H412)

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Avoid release to the environment. (P273)
Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

Additional labelling:
-

Additional warnings
-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Ethanol	- / -	64-17-5	200-578-6	Flam. Liq. 2;H225	70 - 80	1
Propylene Glycol Monomethyl Ether	- / -	107-98-2	203-539-1	Flam. Liq. 3;H226, STOT SE 3;H336	5 - 15	1
Basic Yellow 37	- / -	6358-36-7	228-770-5	Acute Tox. 3;H301, Skin Corr. 1;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400 - M=1, Aquatic Chronic 1;H410 - M=1	0 - 1	2
Basic Yellow 51	- / -	83949-75-1	281-435-5	Acute Tox. 4;H302, Eye Irrit. 2;H319, Aquatic Chronic 2;H411	0 - 5	3
Basic Red 14	- / -	12217-48-0	235-399-2	Eye Irrit. 2;H319, STOT SE 3;H335	0 - 5	4

1) The substance is an organic solvent.
2) Present in the colours 07, 12, 19, 31, 38, 41, 98.
3) Present in the colours 01, 19, 22, 31, 47, 52, 54, 64.
4) Present in the colours 01, 07, 22, 64.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
Inhalation:
In case of discomfort: Seek fresh air.
Seek medical advice in case of persistent discomfort.

Ingestion:
Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of discomfort.

Skin contact:
Wash skin with soap and water.
Seek medical advice in case of persistent discomfort.

Eye contact:
Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Burns:
Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

Additional information:
When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed
May cause slight irritation to the skin and eyes.
Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Symptoms of neurotoxicity can be: loss of appetite, headache, dizziness, whistling in the ears, tingling sensations in the skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

4.3. Indication of any immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture
Highly flammable liquid and vapour.
Avoid inhalation of vapour and fumes – seek fresh air.
Can generate harmful flue gases containing carbon monoxide in the event of fire.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters
If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions
Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up
Pick up mechanically.

6.4. Reference to other sections
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Use the product under well-ventilated conditions.
Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Do not expose to heat (e.g. sunlight).
Keep in tightly closed original packaging.
Store fireproof. Storage for flammable liquids must follow local regulations for flammable stock.

7.3. Specific end use(s)
See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	**Long-term exposure limit ppm / mg/m^3**	**Short-term exposure limit ppm / mg/m^3**	**Note**
Ethanol	1000 / 1920	- / -	-
Propylene Glycol Monomethyl Ether	100 / 375	150 / 560	Sk

Sk = Can be absorbed through the skin.

DNEL/PNEC-values:
DNEL Ethanol

	Workers	**Consumers**
Inhalation - Chronic Systemic	380 mg/m³	114 mg/m³
Dermal - Chronic Systemic	8238 mg/kg bw/day	-

DNEL Propylene Glycol Monomethyl Ether

	Workers	**Consumers**
Inhalation - Chronic Systemic	369 mg/m³	43.9 mg/m³
Inhalation - Acute Systemic	553.5 mg/m³	-
Inhalation - Acute Local	553.5 mg/m³	-
Dermal - Chronic Systemic	183 mg/kg bw/day	78 mg/kg bw/day
Oral - Chronic Systemic	-	33 mg/kg bw/day

PNEC Ethanol

Fresh water	0.96 mg/L
Intermittent releases (Fresh water)	2.75 mg/L
Marine water	0.79 mg/L
Soil	0.63 mg/kg soil dw

PNEC Propylene Glycol Monomethyl Ether

Fresh water	10 mg/L
Intermittent releases (Fresh water)	100 mg/L
Marine water	1 mg/L
Soil	4.59 mg/kg soil dw

8.2. Exposure controls
There are no exposure scenarios for this product.

Appropriate engineering controls:
Do not eat, drink or smoke when using this product.
Wash hands after use.

Personal protective equipment:
Respiratory protection:
Not required.

Hand protection:
Not required.

Eye/face protection:
Not required.

Skin protection:
Not required.

Environmental exposure controls:
Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Marker
Colour:	Different
Odour:	Alcohol
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	< 21
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	7 - 9
Kinematic viscosity (mm2/s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data.

10.2. Chemical stability
The product is stable when used in accordance with the supplier’s directions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Avoid heating and contact with ignition sources.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as COx may be released.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:
Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Ethanol	Oral	Rat	LD50	10470 mg/kg bw
Ethanol	Inhalation	Rat	LC50/ 4 Hours	116.9 mg/L air
Propylene Glycol Monomethyl Ether	Oral	Rat	LD50	3739 mg/kg bw
Propylene Glycol Monomethyl Ether	Inhalation	Rat	LC50/ 6 Hours	> 6000 - 7000 ppm
Propylene Glycol Monomethyl Ether	Dermal	Rabbit	LD50	> 2000 mg/kg bw
Basic Yellow 37	Oral	Rat	LD50	300 mg/kg bw
Basic Yellow 37	Dermal	Rat	LD50	> 2000 mg/kg bw

Skin corrosion/irritation:
May irritate the skin – may cause reddening.
Can be absorbed through the skin causing symptoms such as dizziness and headache.

Serious eye damage/irritation:
May cause eye irritation.

Respiratory or skin sensitisation:
Based on the existing data, the classification is not met.

Germ cell mutagenicity:
Based on the existing data, the classification is not met.

Carcinogenicity:
Based on the existing data, the classification is not met.

Reproductive toxicity:
Based on the existing data, the classification is not met.

STOT-single exposure:
The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

STOT-repeated exposure:
Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard:
Based on the existing data, the classification is not met.

11.2. Information on other hazards
Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Ethanol	96 Hours	Fish	LC50	15.3 g/L
Ethanol	48 Hours	Daphnia	LC50	5012 mg/L
Ethanol	72 Hours	Algae	EC50	275 mg/L
Propylene Glycol Monomethyl Ether	96 Hours	Fish	LC50	6812 mg/L
Propylene Glycol Monomethyl Ether	48 Hours	Daphnia	LC50	21100 - 25900 mg/L
Propylene Glycol Monomethyl Ether	168 Hours	Algae	EC50	> 1000 mg/L
Basic Yellow 37	96 Hours	Fish	LC50	0.625 mg/L
Basic Yellow 37	48 Hours	Daphnia	EC50	0.116 mg/L
Basic Yellow 37	72 Hours	Algae	EC50	0.13 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Ethanol	Yes	BOD	5 Days 74%
Propylene Glycol Monomethyl Ether	Yes	OECD Guideline 301 E	28 Days 96%
Basic Yellow 37	No	OECD Guideline 301 D	22.51 %

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Ethanol	No	-0.35
Propylene Glycol Monomethyl Ether	No	-0.37
Basic Yellow 37	No	1.76

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties
Test data are not available.

12.7. Other adverse effects
Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product is covered by the regulations on dangerous waste.
Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
20 01 13	Solvents

Specific labelling:
-

Contaminated packaging:
Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

Not dangerous according to ADR and IMDG, as the product is subjected to the criteria of SP 216 for UN 3175.

14.1 -14.4.
ADR
-
IMDG/IATA
-

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Maritime transport in bulk according to IMO instruments
Not relevant.

SECTION 15: Regulatory information

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

Sources:
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:
-

Restrictions for application:
Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.
Special care should be applied for pregnant and lactating women.

Demands for specific education:
-

15.2. Chemical safety assessment
None.

SECTION 16: Other information

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

Other information:
Sources:
The REACH Enforcement Regulations 2008, and The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019.
The Waste (Miscellaneous Amendments) (EU Exit) (No. 2) Regulations 2019
The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019.

Full text of H-phrases as mentioned in section 2+3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Classification according to The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 and GB mandatory classification and labelling list:

Flam. Liq. 2;H225	On basis of test data
Aquatic Chronic 3;H412	Calculation method

Abbreviations and acronyms used in the safety data sheet:
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals.
CLP: Classification Labelling Packaging Regulation.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:
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This material safety data sheet replaces version:
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