



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

1.1 Product identifier

Trade name: Copic Ink

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

General use: Inks
Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company name: HOLTZ OFFICE SUPPORT GmbH

Street/POB-No.: Berta-Cramer-Ring 14-16

Postal Code, city: 65205 Wiesbaden

Germany

WWW: www.holtzofficesupport.com

E-mail: info@holtz-gmbh.de

Telephone: +49 (0) 6122 709 0

Department responsible for information:

Telephone: +49 (0) 6122 709 130 (8:00 - 15:00),

E-mail: einkauf@holtz-gmbh.de

1.4 Emergency telephone number

GIZ-Nord, Göttingen, Germany,

Telephone: +49 551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

Eye Dam. 1; H318 Causes serious eye damage.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**

Hazard statements:

H225	Highly flammable liquid and vapour.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye 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.
P310	Immediately call a POISON CENTER/doctor.
P403+P235	Store in a well-ventilated place. Keep cool.

**Special labelling**

Text for labelling: Contains: Propan-1-ol.

2.3 Other hazards

Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may lead to a narcotic effect. Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

The product does not contain any substances classified as PBT or vPvB.

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
128-37-0	3,5-Di-tert-butyl-4-hydroxytoluene		List II	

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Paint on the basis of Ethanol

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119457610-43-xxxx EC No. 200-578-6 CAS 64-17-5	Ethanol Flam. Liq. 2; H225. Eye Irrit. 2; H319. Specific concentration limits (SCL): Eye Irrit. 2 ; H319: C ≥ 50 %	65 - 85 %
EC No. 200-746-9 CAS 71-23-8	Propan-1-ol Flam. Liq. 2; H225. Eye Dam. 1; H318. STOT SE 3; H336.	< 10 %
EC No. 200-661-7 CAS 67-63-0	Isopropyl alcohol Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336.	< 5 %
list no. 617-534-0 CAS 84133-50-6	Alcohols, C12-C14-secondary, ethoxylated Eye Irrit. 2; H319. Aquatic Acute 1; H400.	< 5 %
EC No. 204-881-4 CAS 128-37-0	3,5-Di-tert-butyl-4-hydroxytoluene Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 1 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information: First aider: Pay attention to self-protection!
Take off contaminated clothing and wash it before reuse.
If medical advice is needed, have product container or label at hand.
If unconscious place in recovery position and seek medical advice.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.



After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek the attention of an ophthalmologist immediately.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye damage. Inhaling can lead to irritations of the respiratory tract and mucous membrane.

Higher doses may lead to a narcotic effect.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water mist, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour.

With air, vapours form potentially explosive mixtures, which are heavier than air. Vapours may proceed on the ground over great distances and cause fire and backflashes.

May form dangerous gases and vapours in case of fire. Furthermore, there may develop: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Heating will lead to pressure increase: Danger of bursting and explosion. Keep containers cool with water spray.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow water used to extinguish fire to enter drains, ground or waterways. Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing mist/vapours/spray. Avoid contact with the substance.

Eliminate all ignition sources if safe to do so. If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Keep unprotected people away.

Cordon off downwind area at risk and warn inhabitants.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!

In case of release, notify competent authorities.



6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

Beware of reignition. Thoroughly clean surrounding area. Clean with detergents. Avoid solvent cleaners.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Never return spills in original containers for re-use.

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Work place should be equipped with a shower and an eye rinsing apparatus.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take action to prevent static discharges.

Use only explosion-protected equipment/instruments. Do not weld.

In partially filled containers explosive mixtures may form.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

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

Keep container dry. Keep only in the original container.

Protect from heat and direct sunlight.

Recommended storage temperature: 5-30 °C

Store containers in upright position. Never use pressure to empty container.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Do not store together with: strong acids, strong bases, strong oxidizing agents, strong reducing agents

7.3 Specific end use(s)

No information available.



SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	Ireland: 15 minutes	1000 ppm
71-23-8	Propan-1-ol	Ireland: 8 hours	100 ppm (may be absorbed through the skin)
67-63-0	Isopropyl alcohol	Ireland: 15 minutes	400 ppm (may be absorbed through the skin)
		Ireland: 8 hours	200 ppm (may be absorbed through the skin)
128-37-0	3,5-Di-tert-butyl-4-hydroxytoluene	Ireland: 8 hours	2 mg/m ³

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. Explosion protection required.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. In case of inadequate ventilation wear respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection: Protective gloves according to BS EN 374.
Glove material: Butyl caoutchouc (butyl rubber), layer thickness: 0.5 mm;
fluoro rubber layer thickness: 0.4 mm.
Breakthrough time: 8 h.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Use protective skin cream before handling the product.

Eye protection: Tightly sealed goggles according to BS EN ISO 16321-1:2022

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash it before reuse.
When using do not eat or drink.
Wash hands thoroughly after handling.
Work place should be equipped with a shower and an eye rinsing apparatus.

Environmental exposure controls

Do not allow to enter into ground-water, surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa

liquid

Colour:

Varying

Odour:	Mildly alcoholic
Odour threshold:	No data available
Melting point/freezing point:	approx. -117 °C (ethanol)
Initial boiling point and boiling range:	approx. 79 °C (ethanol)
Flammability:	Highly flammable liquid and vapour.
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): approx. 2.00 Vol-% (Isopropyl alcohol) UEL (Upper Explosive Limit): approx. 19.00 Vol-% (ethanol)
Flash point/flash point range:	approx. 14.3 °C
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	No data available
Water solubility:	Miscible
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	at 20 °C: approx. 5.8 kPa (ethanol)
Density:	at 20 °C: approx. 0.8 g/cm ³
Vapour density:	approx. 1.6 (ethanol)
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Vapours can form explosive mixtures with air.
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Evaporation rate:	No data available
Additional information:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Highly flammable liquid and vapour.
Vapours can form explosive mixtures with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Heating will lead to pressure increase: Danger of bursting and explosion.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct sunlight.

10.5 Incompatible materials

Strong acids, strong bases, strong oxidizing agents, strong reducing agents

10.6 Hazardous decomposition products

	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available



SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met. ATEmix calculated > 2,000 mg/kg/bw

Acute toxicity (dermal): Based on available data, the classification criteria are not met. ATEmix calculated > 2,000 mg/kg/bw

Acute toxicity (inhalative): Based on available data, the classification criteria are not met. ATEmix calculated > 20 mg/L

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties: This product contains a substance that has endocrine disrupting properties with respect to humans.

Symptoms

In case of inhalation: Cough, shortage of breath, headache, nausea, vomiting.
After contact with skin: Repeated exposure may cause skin dryness or cracking.
After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Alcohols, C12-C14-secondary, ethoxylated:
Fish toxicity (Chaetogammarus marinus):
LC50: 0.62 mg/L/96h

Information about 3,5-Di-tert-butyl-4-hydroxytoluene:
Fish toxicity:
LC50: 0.199 mg/L/96h
Fish toxicity (Oryzias latipes (Ricefish)):
LC50: 1.1 mg/L/96h
Daphnia toxicity (Daphnia magna (Big water flea)):
LC50: 0.84 mg/L/48h
EC50: 0.48 mg/L/48h
NOEC: 0.069 mg/L/21d
EC50: 0.096 mg/L/21d

12.2 Persistence and degradability

Further details: No data available



12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number:

08 01 11* = Waste paint and varnish containing organic solvents or other dangerous substances

* = Evidence for disposal must be provided.

Recommendation:

Incinerate as hazardous waste according to applicable local, state, and federal regulations.
Do not dispose of with household waste.

Package

Recommendation:

Handle empty containers with care. Incineration may cause explosion.
Handle contaminated packages in the same way as the substance itself.
Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: UN 1263

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 1263, PAINT

14.3 Transport hazard class(es)

ADR/RID:

Class 3, Code: F1

IMDG:

Class 3, Subrisk -

IATA-DGR:

Class 3

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: II

14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant:

no





14.6 Special precautions for user

Land transport (ADR/RID)

Warning board:	ADR/RID: Kemmler-number 33, UN number UN 1263
Hazard label:	3
Special Provisions:	163 367 640D 650
Limited quantities:	5 L
EQ:	E2
Package - Instructions:	P001 IBC02 R001
Package - Special Provisions:	PP1
Special provisions for packing together:	MP19
Portable tanks - Instructions:	T4
Portable tanks - Special Provisions:	TP1 TP8 TP28
Tank coding:	LGBF
Tunnel restriction code:	D/E

Sea transport (IMDG)

EmS:	F-E, S-E
Special Provisions:	163 367
Limited quantities:	5 L
Excepted quantities:	E2
Package - Instructions:	P001
Package - Provisions:	PP1
IBC - Instructions:	IBC02
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T4
Tank instructions - Provisions:	TP1, TP8, TP28
Stowage and handling:	Category B.
Properties and observations:	Miscibility with water depends upon the composition.
Segregation group:	none

Air transport (IATA)

Hazard label:	Flamm. liquid
Excepted Quantity Code:	E2
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft:	Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only:	Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special Provisions:	A3 A72 A192
Emergency Response Guide-Code (ERG):	3L

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - EC member states

Volatile organic compounds (VOC):
approx. 90 % by weight



Labelling of packaging with <= 125mL content



Signal word:

Danger

Hazard statements:

H318

Causes serious eye damage.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements:

P280

Wear protective gloves/protective clothing/eye 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.

P310

Immediately call a POISON CENTER/doctor.

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Physical hazards: Code P5c, Quantity threshold 5 000 000 kg / 50 000 000 kg

Use restriction according to REACH annex XVII, no.: 3, 40, 75.

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H225 = Highly flammable liquid and vapour.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H336 = May cause drowsiness or dizziness.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

Reason of change:

Changes in section 2: classification, Labelling

Changes in section 3: Composition / Information on ingredients

Changes in section 12: water hazard class (D)

Date of first version:

18/8/2017

Department issuing data sheet: see section 1: Department responsible for information



Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
Eye Irrit.: Eye irritation
Flam. Liq.: Flammable liquid
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NOEC: No Observed Effect Concentration
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
STOT SE: Specific target organ toxicity - single exposure
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.