

Material Safety Data Sheet

1. Product & Company Identification

Item no.	Product
3364272	Pigment Ink, black

Manufacturer:	Conrad Electronic SE
Address:	Klaus-Conrad-Str. 1, D-92240 Hirschau
Telephone:	+49 (0) 9604 / 40 - 8988
Internet:	www.conrad.com
Date of issue:	29.08.2025

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

Application of the substance/the preparation: Ink-Jet Printing

2. Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as hazard substance according to Regulation (EC) No 1272/2008 (CLP).

Regulation (EC) No 1272/2008 (CLP) and following amendments and adjustments

Hazard classification and indication: -

2.2 Label elements

Hazard labelling pursuant to Regulation (EC) No 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

--

Signal words:

--

Hazard statements:

EUH208 - 'Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction'.

Precautionary statements:

P101 - If medical advice is needed have product container or label at hand.

P102 - Keep out of reach of children.

Material Safety Data Sheet

2.3 Other hazards

Results of PBT and vPvB assessment:

The mixture does not contain any substance which meet the criteria for PBT or vPvB in accordance with Annex XIII of the Regulation (EC) No.1907/2006 (REACH) as amended.

Results of endocrine disruptor:

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in the Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

3. Composition/Information on Ingredients

3.1 Substances Information

Not Applicable.

3.2 Mixtures

Containing of the following components. The classification is mainly based on pure substance. The concentration of the substance in the mixture is very lower than the pure substance. The main substance in the mixture is water.

CAS No / EC No	Components / Formula / classification / Specific Conc. Limits, M-factors	Range of concentration
Trade secret	Black Pigment	0.1%-5%
	/	
CAS: 56-81-5 EC: 200-289-5	Glycerol C3H8O3	5%-20%
	/	
CAS: 107-21-1 EC: 203-473-3	Ethylene glycol C2H6O2	0.1%-9%
	Acute Tox. 4 H302	
CAS: 111-29-5 EC: 203-854-4	1,5-Pentanediol C5H12O2	0.1%-5%
	/	
CAS: 126-86-3 EC: 204-809-1	2,4,7,9-tetramethyldec-5-yne-4,7-diol C14H26O2	0.1%-0.9%
	Skin Sens.1B H317, Eye Dam.1 H318	
CAS: 7732-18-5	Water H2O	50%-90%
	/	

Material Safety Data Sheet

4. First Aid Measures

4.1 Description of first aid measures

In case of contact, ingestion or inhalation, the following general measures provided for a first aid shall be taken.

After eyes contact:

Do not rub eyes. Immediately flush eyes with large amounts of clean, warm water (low pressure) for at least 15 minutes. If the irritation persists, seek medical advice.

After skin contact:

Immediately wash affected areas with mild soap and water. If the irritation persists, seek medical advice.

After ingestion:

Ingestion is not an expected route of exposure during normal use of the product. If ingested, seek medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

After inhalation:

Remove to fresh air. If respiration is difficult, administer artificial respiration and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Follow doctor's orders.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Dry chemical, carbon dioxide, water spray or regular foam.

Extinguishing media which shall not be used for safety reasons:

No Information Available.

5.2 Special hazards arising from the substance or mixture

Product is a nonflammable water-based solution.

Hazardous combustion products (gases/vapors) produced in fire can include carbon monoxide, carbon dioxide, nitrogen oxides, and smoke.

Flash point and method:

>93.3°C(200°F) Closed Cup

Approximate Flammable Limits in Air, %by Volume:

Not available

Autoignition Temperature:

Not available

5.3 Advice for firefighters

This product is not flammable. Use normal firefighting procedures for the area.

Material Safety Data Sheet

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective measures, avoid contact eyes and skin. Keep unprotected persons away.

6.2 Environmental precautions

The product must not penetrate the sewer system, surface water, ground water and neighbouring areas.

Avoid birds or fish ingestion from drainage system, please thoroughly recycle.

6.3 Methods and material for containment and cleaning up

Transfer the leaked products to container. Absorb with inert absorbent such as dry, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

Flush a small amount of residue with large amounts of water and detergent.

6.4 Reference to other sections

Any information about personal protection and disposal is given in sections 8 and 13.

7. Handling and Storage

7.1 Information for safe handling

Wear appropriate personal protective measures, avoid contact eyes and skin.

Ventilation is well and far away from heat.

Information about fire-and explosion protection

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away. Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Keep away from excessively alternate heat and cold, direct sunniness.

Keep away from strong acid, strong base and strong oxidizing agent.

Keep away from incompatible substance or mixtures.

Store in a cool, dry, ventilated area.

Further information about storage conditions:

Keep container tightly sealed.

Keep out of the reach of children.

7.3 Specific end use(s)

No further relevant information available.

Material Safety Data Sheet

8. Exposure Controls, Personal Protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Ethylene glycol (107-21-1)	
IOELV	Short-term value: 104 mg/m ³ , 40 ppm
	Long-term value: 52 mg/m ³ , 20 ppm

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Information about design of technical facilities:

To provide proper ventilation, use adequate general or local exhaust ventilation.

Ingredients with limit values that require monitoring at the workplace:

No data available

Personal protective equipment:

Respiratory protection:

Respirators are not needed for normal use.

Eye/Face protection:

Wear safety glasses. Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of the material.

Body protection:

If there is potential for significant dermal contact, wear appropriate impervious clothing and gloves.

Material Safety Data Sheet

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Black
Odour	Slight
Odour threshold	No data available
Melting point/freezing point:	
Melting point	No data available
Freezing point	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	>93.3°C(>200°F)Pensky-Martens Closed Cup
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	7-9
Kinematic viscosity	>1cp
Solubility	Soluble in water
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density:	
Density at 20 °C (68 °F)	1 g/cm ³ (>8.345 lbs/gal)
SG:	1.3-1.8
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information

9.2.1 Information with regard to physical hazard classes

No further relevant information available.

9.2.2 Other safety characteristics

No further relevant information available.

Material Safety Data Sheet

10. Stability and Reactivity

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No decomposition reaction occurs in normal conditions of use and storage.

11. Toxicological Information

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

Acute toxicity:

Glycerol

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral) :	27200 mg/kg (RTECS)
LC50 (rat, inhalation/4 hr.):	5.85 mg/L air

Ethylene glycol

PEL (OSHA) :	None Established
TLV (ACGIH) :	None Established
LD50 (rat, oral):	7712 mg/kg (RTECS)
LC50 (rat, inhalation/4 hr.):	No data available

1,5-Pentanediol

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral):	10000 mg/kg (RTECS)
LC50 (rat, inhalation/4 hr.):	No data available

Material Safety Data Sheet

2,4,7,9-tetramethyldec-5-yne-4,7-diol

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral):	500 - 12900 mg/kg (RTECS)
LC50 (rat, inhalation/4 hr.):	No data available

WATER

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral):	No data available
LC50 (rat, inhalation/4 hr.):	No data available

Skin corrosion/irritation

Does not meet the classification criteria for this hazard class.

Serious eye damage/irritation

Does not meet the classification criteria for this hazard class.

Respiratory or skin sensitisation:

Does not meet the classification criteria for this hazard class.

Germ cell mutagenicity

Does not meet the classification criteria for this hazard class.

Carcinogenicity

Does not meet the classification criteria for this hazard class.

Reproductive toxicity

Does not meet the classification criteria for this hazard class.

STOT-single exposure

Does not meet the classification criteria for this hazard class.

STOT-repeated exposure

Does not meet the classification criteria for this hazard class.

Aspiration hazard

Does not meet the classification criteria for this hazard class.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

Other information

No further relevant information available.

Material Safety Data Sheet

12. Ecological Information

12.1 Toxicity

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

No further relevant information available.

12.6 Endocrine disrupting properties

No further relevant information available.

12.7 Other adverse effects

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal Considerations

13.1 Waste treatment methods

Product:

Do not discharge into environment, directly. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

Package:

Contaminated or damaged package must be recovered or disposed of in compliance with national waste management regulations.

Material Safety Data Sheet

14. Transport Information

14.1 UN number or ID number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Information not relevant.

15. Regulatory Information

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

CLP category

None

Restrictions relating to the product or contained substances pursuant to Table 3.1 to EC Regulation 1272/2008(CLP)

None

Substances in Candidate List(SVHC in REACH)

None

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Material Safety Data Sheet

16. Additional Information

Other information:

This SDS was prepared in accordance with CLP Regulation (EC) No 1272/2008, (EU) 2020/878, EC No 1907/2006, REACH, GB/T16483-2008 and GB13690-2009.

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging of substances and mixtures

SVHC: Substances of Very High Concern

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals

DOT: Department of transportation

EC: Effective concentration

EC50: Effective concentration, 50 percent

EINECS: European Inventory of Existing Chemical Substance

IAIA: International Association for Impact Assessment

ICAO: International Civil Aviation Organization

IMO: International Maritime Organization

IMDG: International Maritime Dangerous Goods

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOEC: No Observed Effect Concentration

OSHA: Occupational Safety and Health Administration (U.S.A.)

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

TLVTN: Threshold Limit Value

VOC: Volatile Organic Compounds