Material Safety Data Sheet

1. Product & Company Identification

Item no.	Product
3798290	Dye Ink, black

Manufacturer:	Conrad Electronic SE
Address:	Klaus-Conrad-Str. 1, D-92242 Hirschau
Telephone:	+49 (0) 9604 / 40 - 8988
Internet:	www.conrad.com
Date of issue:	30.03.2022

2. Hazards Identification

Hazard description

This product is not classified as hazard substance according to the EC Regulation 1272/2008(CLP).

Regulation 1272/2008(CLP) and following amendments and adjustments

Hazard classification and indication: --

Label elements

Hazard labelling pursuant to EC Regulation 1272/2008(CLP) and subsequent amendments and supplements.

Hazard pictograms: –

Signal words: –

Hazard statements: –

Precautionary statements: P101 If medical advice is needed have product container or label at hand.
P102 Keep out of reach of children.

Other hazards

Information not available.

3. Composition/Information on Ingredients

Description:

Mixture 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	Content (%)
Proprietary	Colorant	4.0 - 10.0
CAS: 67-56-1	Methanol	15.0 - 25.0
CAS: 64-17-5	Ethanol	50.0 - 70.0
Proprietary	Resin	2.0 - 5.0
Proprietary	Dispersant	0.5 - 5.0
Proprietary	Surfactant	0.2 - 1.0

4. First Aid Measures

In case of contact, ingestion or inhalation, the following general measures provided for a fist 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.

Indication of any immediate medical attention and special treatment needed:

Follow doctor’s orders.

5. Fire Fighting Measures

Suitable extinguishing agents:

Dry chemical, carbon dioxide, water spray or regular foam

Extinguishing media which shall not be used for safety reasons:

Not known.

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:

>73°C(200°F) Closed Cup

Approximate Flammable Limits in Air ,%by Volume:

Not available

Autoignition Temperature:

Not available

Fire Fighting Instructions:

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

6. Accidental Release Measures

Personal precautions:

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

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.

Measures for cleaning/collecting:

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.

Additional information:

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

7. Handling and Storage

Handling:

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.

Storage:

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.

8. Exposure Controls, Personal Protection

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.

9. Physical and Chemical Properties

General Information:

Form	Liquid
Color	Black
Odor	Slight

Change in condition:

Melting point	No data available
Freezing point	No data available
Flash point	>73°C(>200°F) Pensky-Martens Closed Cup

Flammability Limits in Air

upper, %by Volume	No data available
lower, %by Volume	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	> 1
Solubility in Water	Miscible
pH	7-9
Viscosity	>1cp

10. Stability and Reactivity

Reactivity:

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

Chemical stability:

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

Possibility of hazardous reactions:

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

Polymerization:

Polymerization will not occur.

Hazardous decomposition products:

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

11. Toxicological Information

Acute toxicity:

Glycerol

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral):	>31.5 g/kg (RTECS)
LC50 (rat, inhalation/4 hr.):	No data available

Diethylene glycol

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral):	>12565mg/kg(RTECS)
LC50 (rat, inhalation/4 hr.):	No data available

Diethylene glycol monobutyl ether

PEL (OSHA):	None Established
TLV (ACGIH):	None Established
LD50 (rat, oral):	6.56g/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

Primary irritant effect:

On the skin: No irritation

On the eyes: No data available

Local effect:

No

Sensitive:

No

Chronic or long-time toxicity:

No

12. Ecological Information

Environmental Data:

No information available for product.

Mobility in soil and water:

No information available for product.

Persistence/Biodegradability:

No information available for product.

Ecotoxicity Data:

No information available for product.

13. Disposal Considerations

Product Waste Disposal

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

Package Waste Disposal

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

14. Transport Information

International transport regulations	Not strict rules.
DOT (Domestic Surface)	Not regulated.
ICAO/IATA (Air)	Not regulated.
IMO/IMDG (Ocean)	Not regulated.

15. Regulatory Information

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

CLP category

Limited

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

Limited

Substances in Candidate List(SVHC in REACH)

None

16. Additional information

This SDS was prepared in accordance with CLP Regulation (EC) No.1272/2008, EU No 2015/830, 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