

Material Safety Data Sheet

Revision date: July 2nd, 2021

Version: E

MSDS number: 10067303

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier:

Product Name: LIQUID DOT INK MKII
Product Code: 10067260, 10103931, 10103932, 10106622

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

Identified uses: Industrial Inkjet Fluid

1.3. Details of the supplier of the safety data sheet:

Manufacturer: Glunz & Jensen A/S
Selandia Park 1
DK - 4100 Ringsted
Denmark
Phone: +45 5768 8181
Fax: +45 5768 8340

1.4 Emergency

phone number: For Chemical Emergency Spill Leak Fire Exposure or Accident Call CHEMTREC day or night: + 1 800 424 9300 (US and Canada).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification (EC 1272/2008):

Physical and chemical hazards:	Not classified.
Human health:	Not classified.
Environmental:	Not classified.

Classification (1999/45/EEC):

Not classified.

2.2 Label elements:

Label in accordance with (EC) No. 1272/2008:

No pictogram required.

Supplemental label information:

EUH210 Safety data sheet available on request.

2.3 Other hazards:

This product does not contain any PBT or vPvB substances.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures:

Component	EC No	CAS-No	Content	Classification (EC 1272/2008)	Classification (67/548/EEC)
2-amino-2-methylpropanol	204-709-8	124-68-5	< 5%	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412	Xi; R36/38 R52/53
1,2 hexanediol	230-029-6	6920-22-5	< 3%	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT Single 3 - H335	Xi; R36/37/38
propan-2-ol	200-661-7	67-63-0	< 3%	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT Single 3 - H336	F; R11 Xi; R36 R67

The full text for all R-phrases and hazard statements is displayed in section 16.

Composition comments:

The data shown are in accordance with the latest EC Directives.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation:

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion:

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact:

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact:

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed:

General information:

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation:

This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion:

No specific symptoms noted.

Skin contact:

Prolonged skin contact may cause redness and irritation.

Eye contact:

Prolonged contact may cause redness and/or tearing.

4.3 Indication of any immediate medical attention and special treatment needed:

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

Extinguishing media:

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products:

None under normal conditions.

5.3 Advice for firefighters:

Special fire fighting procedures:

Not relevant.

6. ACCIDENTAL RELEASE MEASURE

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in section 8 of this safety data sheet.

6.2 Environmental precautions:

To prevent release, place container with damaged side up. Do not discharge onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up:

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

6.4 Reference to other sections:

Wear protective clothing as described in section 8 of this safety data sheet. For waste disposal, see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid spilling, skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3 Specific end use(s):

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Component	Std	TWA - 8 hrs		STEL - 15 min		Notes
propan-2-ol	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

8.2 Exposure controls:

Protective equipment:



Engineering measures:

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapours.

Respiratory equipment:

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection:

Use suitable protective gloves if risk of skin contact.

Eye protection:

If risk of splashing, wear safety goggles or face shield.

Other protection:

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:	Liquid.
Colour:	Blue.
Odour:	Amine.
Solubility:	Miscible with water.
Initial boiling point and boiling range:	> 100°C.
Flash point (°C):	Not applicable. Product is not flammable. Technically not feasible.
Auto ignition temperature (°C):	Not applicable. Product is not flammable. Technically not feasible.

9.2 Other information:

None.

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No specific reactivity hazards associated with this product.

10.2 Chemical stability:

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions:

Not applicable.

Hazardous polymerisation:

Will not polymerise.

10.4 Conditions to avoid:

Avoid excessive heat for prolonged periods of time.

10.5 Incompatible materials:

Materials to avoid: strong acids.

10.6 Hazardous decomposition products:

None under normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:**Inhalation:**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion:

May cause discomfort if swallowed.

Skin contact:

Liquid may irritate skin.

Eye contact:

Spray and vapour in the eyes may cause irritation and smarting.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not regarded as dangerous for the environment.

12.1 Toxicity:**Acute fish toxicity:**

Not considered toxic to fish.

12.2 Persistence and degradability:**Degradability:**

The product is biodegradable, but it must not be discharged into drains without permission from the authorities.

12.3 Bioaccumulative potential:**Bioaccumulative potential:**

The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in soil:

Mobility:

The product is miscible with water. May spread in water systems.

12.5 Results of PBT and vPvB assessment:

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects:

None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Road transport notes: Not classified.

Rail transport notes: Not classified.

Sea transport notes: Not classified.

Air transport notes: Not classified.

14.1 UN number:

Not applicable.

UN No. (ADR/RID/ADN): N/A.

UN No. (IMDG): N/A.

UN No. (ICAO): N/A.

14.2 UN proper shipping name:

Not applicable.

Proper shipping name: N/A.

14.3 Transport hazard class(es):

Not applicable.

Transport labels: No transport warning sign required.

14.4 Packing group:

Not applicable.

ADR/RID/ADN packing group: N/A.

IMDG packing group: N/A.

ICAO packing group: N/A.

14.5 Environmental hazards:

Environmentally hazardous substance/marine pollutant: No.

14.6 Special precautions for user:

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

15. REGULATORY INFORMATION

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

Statutory instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved code of practice:

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance notes:

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Revision date: 15/07/2014

Revision: C

Supersedes date: 20/09/2012

Risk phrases in full:

R11 - Highly flammable.

R36 - Irritating to eyes.

R36/38 - Irritating to eyes and skin.

R36/37/38 - Irritating to eyes, respiratory system and skin.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 - Vapours may cause drowsiness and dizziness.

NC - Not classified.

Hazard statements in full:

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.

Disclaimer:

The advice given in this document is based on the present state of our knowledge and that of our supplier. We provide it in good faith, but cannot accept any liability for the advice given. The data is intended to describe the product from the point of view of safety requirements and should not therefore be construed as guaranteeing specific properties of the product. Glunz & Jensen A/S shall not be held liable for any damage resulting from handling or from contact with this product.