

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 10.12.2020

Version number 1.0

Revision: 10.12.2020

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

- **1.1 Product identifier**
- **Trade name:** Liquid Swords
- **Article number:** IAM-LS-250ML
- **UFI:** 7W71-F0EV-S00Q-G1VE
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Tattoo Ink
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
I AM INK e.U.
Hauptstr. 20
A-8383 Sankt Martin an der Raab
- **Tel.:** +43 3329 46069
- **E-Mail.:** office@the3pylons.com
- **Further information obtainable from:** product safety department
- **1.4 Emergency telephone number:** VIZ +43 1 406 43 43

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labelling:**
propan-2-ol
- **Hazard statements**
H319 Causes serious eye irritation.

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*H336 May cause drowsiness or dizziness.***Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.*
- P102 Keep out of reach of children.*
- P103 Read carefully and follow all instructions.*
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.*
- P280 Wear eye protection / face protection.*
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P405 Store locked up.*
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

2.3 Other hazards**Results of PBT and vPvB assessment**

- PBT: Not applicable.*
- vPvB: Not applicable.*

SECTION 3: Composition/information on ingredients

3.2 Mixtures

- Description: Mixture of substances listed below with nonhazardous additions.*

Dangerous components:

| | | |
|-------------------|--|---------|
| CAS: 67-63-0 | propan-2-ol | 50-100% |
| EINECS: 200-661-7 | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | |

Regulation (EC) No 648/2004 on detergents / Labelling for contents

preservation agents (PHENOXYETHANOL)

- Additional information: For the wording of the listed hazard phrases refer to section 16.*

SECTION 4: First aid measures

4.1 Description of first aid measures

- After skin contact: Generally the product does not irritate the skin.*
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- After swallowing: If symptoms persist consult doctor.*
- 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** No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.*
- 5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- 5.3 Advice for firefighters**
- Protective equipment: No special measures required.*

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** Not required.

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- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class:**
- **Class according to regulation on flammable liquids:** Void
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

67-63-0 propan-2-ol

| | |
|---------------|--|
| MAK (Austria) | Short-term value: 2000 mg/m ³ , 800 ppm Long-term value: 500 mg/m ³ , 200 ppm |
|---------------|--|

· **DNELs**

67-63-0 propan-2-ol

| | | |
|------------|---|----------------------------------|
| Oral | DNEL Long-term - oral, systemic effects | 26 mg/kg_bw/day (rat) |
| Dermal | DNEL Long-term - dermal, systemic effects | 888 mg/kg_bw/day (rat) |
| Inhalative | DNEL Long-term - inhalation, systemic effects | 500 mg/m ³ /day (rat) |

· **PNECs**

67-63-0 propan-2-ol

| | |
|--|--------------------------------|
| PNEC short term, fresh water | 140,9 mg/l (Aquatic organisms) |
| PNEC short term, sea water | 140,9 mg/l (Aquatic organisms) |
| PNEC short term, sewage plant | 2.251 mg/l (Aquatic organisms) |
| PNEC short term fresh water sediment | 552 mg/kg (Aquatic organisms) |
| PNEC short term soil | mg/kg (28) |
| PNEC short term sea water sediment | 552 mg/kg (Aquatic organisms) |
| PNEC short term, intermittent releases | 140,9 mg/l (Aquatic organisms) |
| PNEC secondary poisoning | 160 mg/kg KG/d (rat) |

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· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

| | |
|-------------------------|-----------------|
| Form: | Fluid |
| Colour: | Colourless |
| Odour: | Alcohol-like |
| Odour threshold: | Not determined. |

· **pH-value at 20 °C:** 7,65

· **Change in condition**

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: Undetermined.

· **Flash point:** Not applicable.

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| | |
|--|--|
| · Flammability (solid, gas): | <i>Not applicable.</i> |
| · Decomposition temperature: | <i>Not determined.</i> |
| · Auto-ignition temperature: | <i>Product is not selfigniting.</i> |
| · Explosive properties: | <i>Product does not present an explosion hazard.</i> |
| · Explosion limits: | |
| Lower: | <i>2,6 Vol %</i> |
| Upper: | <i>12,6 Vol %</i> |
| · Vapour pressure: | <i>Not determined.</i> |
| · Density at 20 °C: | <i>0,829 g/cm³</i> |
| · Relative density | <i>Not determined.</i> |
| · Vapour density | <i>Not determined.</i> |
| · Evaporation rate | <i>Not determined.</i> |
| · Solubility in / Miscibility with water: | <i>Not miscible or difficult to mix.</i> |
| · Partition coefficient: n-octanol/water: | <i>Not determined.</i> |
| · Viscosity: | |
| Dynamic: | <i>Not determined.</i> |
| Kinematic: | <i>Not determined.</i> |
| · Solvent content: | |
| Organic solvents: | <i>75,5 %</i> |
| Water: | <i>24,5 %</i> |
| VOC (EC) | <i>75,45 %</i> |
| Solids content: | <i>0,0 %</i> |
| · 9.2 Other information | <i>No further relevant information available.</i> |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions** *No dangerous reactions known.*
- **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 dangerous decomposition products known.*

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

· **LD/LC50 values relevant for classification:**

67-63-0 propan-2-ol

| | | |
|------------|-----------|-----------------------|
| Oral | LD50 | 5.045 mg/kg (rat) |
| Dermal | LD50 | 12.800 mg/kg (rabbit) |
| Inhalative | LC50 (4h) | 30 mg/l (rat) |

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

67-63-0 propan-2-ol

| | |
|--------------------|-----------------------------|
| LC50 (96h) mg/ltr. | 9.640 mg/ltr (Fish) |
| LC50 (48h) mg/ltr | >100 mg/ltr (Fish, minnows) |
| EC50 (48h) | >100 mg/l (Daphnia magna) |
| | 13.299 mg/l (daphnia) |
| EC50 (72h) | >100 mg/l (algae) |

· 12.2 Persistence and degradability

| | | |
|---------|-------------|------|
| 67-63-0 | propan-2-ol | 95 % |
|---------|-------------|------|

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (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.

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

| | |
|-----|---|
| HP4 | Irritant - skin irritation and eye damage |
| HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

| | |
|--|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA | <p style="text-align: right;">UN1219</p> |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA | <p style="text-align: right;">1219 ISOPROPANOL (ISOPROPYL ALCOHOL) ISOPROPANOL (ISOPROPYL ALCOHOL)</p> |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA | <div style="text-align: center;">  </div> <p style="text-align: right;">3 Flammable liquids. 3</p> |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | <p style="text-align: right;">II</p> |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: | <p style="text-align: right;">Not applicable.</p> |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category | <p style="text-align: right;">Warning: Flammable liquids. 30 F-E,S-D B</p> |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | <p style="text-align: right;">Not applicable.</p> |
| <ul style="list-style-type: none"> · Transport/Additional information: | |
| <ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code | <p style="text-align: right;">1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 D/E</p> |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <p style="text-align: right;">1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p> |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <p style="text-align: right;">UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II</p> |

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

- **National regulations:**

- **Classification according to VbF:** Void

- **Technical instructions (air):**

| Class | Share in % |
|--------|------------|
| Wasser | 24,5 |
| NK | 75,5 |

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Disclaimer**

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

- **Reasons for alterations**

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Department issuing SDS:** Environmental Protection Department

- **Contact:** MSDS authorized Person

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3