

STJÄRNAGLOSS

SAFETY DATA SHEET according to Regulation (EU) 2015/830

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Stjarnagloss Tjara Tar and Bug Remover

Revision 0

Revision date 2019-10-21

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

1.1. Product identifier

Product name	Stjarnagloss Tjara Tar and Bug Remover
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products); ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
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1.3. Details of the supplier of the safety data sheet

Company	Stjarnagloss
Address	Unit 10 Golds Nurseries Business Park Jenkins Drive Elsenham Bishops Stortford CM22 6JX UK
Web	www.stjarnagloss.com
Telephone	+441279 812687
Email	info@stjarnagloss.com
Email address of the competent person	factory@dodojuice.com

1.4. Emergency telephone number


Emergency telephone number	+447891 096802
Company	Stjarnagloss 7am to 11pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Flam. Liq. 1: H224; Eye Irrit. 2: H319; STOT SE 3: H336;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 1: H224 - Extremely flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation.

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2.2. Label elements

Precautionary Statement: Prevention	STOT SE 3: H336 - May cause drowsiness or dizziness. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting// equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. P312 - Call a POISON CENTER/doctor/ /if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention. P370+P378 - In case of fire: Use to extinguish.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to local and national regulations

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Isopropanol	603-117-00-0	67-63-0	200-661-7		60 - 70%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
monopropylene glycol		57-55-6	200-338-0		1 - 10%	
Ethylene glycol monobutyl ether	603-014-00-0	111-76-2	203-905-0		1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;
Ethyl lactate	607-129-00-7	97-64-3	202-598-0		0 - 0.5%	Flam. Liq. 3: H226; STOT SE 3: H335; Eye Dam. 1: H318;
alpha-Pinene		80-56-8	201-291-9		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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

Inhalation	May cause drowsiness or dizziness. In severe cases, may cause loss of consciousness. Seek
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4.2. Most important symptoms and effects, both acute and delayed

Eye contact	medical attention if irritation or symptoms persist.
Skin contact	Causes serious eye irritation. Seek medical attention if irritation or symptoms persist.
	Irritating to skin. Seek medical attention if irritation or symptoms persist.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Ingestion	If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
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5.2. Special hazards arising from the substance or mixture

	Highly flammable. Burning produces irritating, toxic and obnoxious fumes. Vapour may travel considerable distance to source of ignition and flash back.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment. Eliminate all sources of ignition. Evacuate personnel to a safe area.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	SECTION 7: Handling and storage. SECTION 8: Exposure controls/personal protection.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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7.3. Specific end use(s)

	Do not breathe gas/fumes/vapour/spray.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

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8.1.1. Exposure Limit Values

Ethylene glycol monobutyl ether	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m ³ total inhalable dust: - WEL 8-hr limit mg/m ³ total respirable dust: -	WEL 8-hr limit mg/m ³ : 123 WEL 15 min limit mg/m ³ : 101.2 WEL 15 min limit mg/m ³ total inhalable dust: - WEL 15 min limit mg/m ³ total respirable dust: -
Isopropanol	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m ³ total inhalable dust: - WEL 8-hr limit mg/m ³ total respirable dust: -	WEL 8-hr limit mg/m ³ : 999 WEL 15 min limit mg/m ³ : 1250 WEL 15 min limit mg/m ³ total inhalable dust: - WEL 15 min limit mg/m ³ total respirable dust: -
monopropylene glycol	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: - WEL 8-hr limit mg/m ³ total inhalable dust: - WEL 8-hr limit mg/m ³ total respirable dust: - WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m ³ total inhalable dust: - WEL 8-hr limit mg/m ³ total respirable dust: -	WEL 8-hr limit mg/m ³ : 474 WEL 15 min limit mg/m ³ : - WEL 15 min limit mg/m ³ total inhalable dust: - WEL 15 min limit mg/m ³ total respirable dust: - WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : - WEL 15 min limit mg/m ³ total inhalable dust: - WEL 15 min limit mg/m ³ total respirable dust: -

DNEL: Derived no-effect level.

Exposure Pattern - Workers

Isopropanol	Long-term - inhalation - Systemic effects 500 mg/m ³ Long-term - dermal - Systemic effects 888 mg/kg
monopropylene glycol	Acute inhalation - Systemic effects 168 mg/m ³

Exposure Pattern - General population

Isopropanol	Long-term - inhalation - Systemic effects 89 mg/m ³ Long-term - dermal - Systemic effects 319 mg/kg Long-term - oral - Systemic effects 26 mg/kg
monopropylene glycol	Acute inhalation - Systemic effects 50 mg/m ³

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Perfumes/Alcoholic
pH	No data available
Melting point	No data available
Initial boiling point	No data available
Flash point	18 °C (ASTM D-93)
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.8567 (H ₂ O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	7 sec. 3 mm (ISO 2431)
Explosive properties	No data available
Oxidising properties	No data available
Odour threshold	No data available
Freezing Point	< -20 °C
Solubility	Miscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	538 g/l

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Oxidising agents.
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10.4. Conditions to avoid

	Heat, sparks and open flames.
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10.5. Incompatible materials

	Amines. Strong bases. Strong oxidising agents.
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10.6. Hazardous decomposition products

	Will not decompose if stored and used as recommended. Burning produces irritating, toxic and obnoxious fumes. Carbon dioxide (CO ₂). Carbon oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Hazardous ingredients.
	Harmful if swallowed.
	Repeated or prolonged exposure may cause dermatitis.

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11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	Potential for aspiration if swallowed.
Repeated or prolonged exposure	May cause degreasing of the skin. May cause dermatitis.

11.1.4. Toxicological Information

Ethylene glycol monobutyl ether	Inhalation Rat LC50/4 h: 2.4mg/l	Oral Rat LD50: 470mg/kg
Isopropanol	Oral Rat LD50: 5840mg/kg	Dermal Rabbit LD50: 13900mg/kg
monopropylene glycol	Dermal Rat LD50: >2000 mg/kg	Oral Rat LD50: >20000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ethylene glycol monobutyl ether	Daphnia EC50/48h: 1000 mg/l	Fish LC50/96h: 1700.0000 mg/l
Isopropanol	Fish LC50/96h: 9640.0000 mg/l	Algae EC50/72h: >100mg/l
	Daphnia LC50/24h: 9714mg/l	Bacteria EC10/18h: >100mg/l
monopropylene glycol	Daphnia LC50/48h: >4850 mg/l	Guppy LC50/96h: >44000 mg/l

12.2. Persistence and degradability

	Readily biodegradable.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	Stjarnagloss Tjara Tar and Bug Remover No data available
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12.5. Results of PBT and vPvB assessment

	PBT no. vPvB no.
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12.6. Other adverse effects

	Not determined.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.
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General information

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Do not empty into drains.
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Disposal of packaging

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Disposal of packaging

Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1219

14.2. UN proper shipping name

ISOPROPANOL

14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

IMDG

EmS Code	F-E S-D
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IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

SECTION 15: Regulatory information

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

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 STOT SE 3: H336 - May cause drowsiness or dizziness.
 Acute Tox. 4: H302 - Harmful if swallowed.
 Acute Tox. 4: H312 - Harmful in contact with skin.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Acute Tox. 4: H332 - Harmful if inhaled.
 Flam. Liq. 3: H226 - Flammable liquid and vapour.
 Eye Dam. 1: H318 - Causes serious eye damage.
 STOT SE 3: H335 - May cause respiratory irritation.
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
 Skin Sens. 1: H317 - May cause an allergic skin reaction.
 Aquatic Acute 1: H400 - Very toxic to aquatic life.
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Maximum content of VOC

538 g/l.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.