

Product Bio Kleen Tar Gum & Label Remover
 Revision date 01 March 2021
 Revision 4



Safety Data Sheet (SDS)

Section 1: Identification of the substance/preparation and of the company/undertaking

1.1 Product identifier

Product name Bio Kleen Tar Gum & Label Remover
Synonyms, Trade names No information available.

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

Identified uses Bio-based Plant / Cleaner / Solvent.
Uses advised against No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier JSK Imports Ltd
 T/A JSK Eco Cleaning Solutions
 Unit 3, OS Sheet Metal
 Tramore Road
 Cork
 Ireland
 Tel: 353 21 4318545
 info@jskcleaning.ie

Contact person

1.4 Emergency telephone number

Emergency telephone 00353 21 4318545 (Mon- Fri, 9-5)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)
 Physical and chemical hazards Not classified
 Human health Skin Irrit.3 - H316, Skin. Sens 1 - H317
 Environment Aquatic Chronic 2 - H411

2.2 Label elements

Label in accordance with (EC) no. 1272/2008



Signal word Danger

Hazard statements H316 Causes mild skin irritation.
 H317 May cause an allergic skin reaction.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention
 P273 Avoid release to the environment.

Response
 P363 Wash contaminated clothing before reuse.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

Not applicable.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Reg. EU 1272/2008	%
ethanol ethyl alcohol	CAS-No.: 64-17-5 EC No.: 200-578-6	Flam. Liq 2- H225	30-60%
Orange, sweet, ext.	CAS-No.: 8028-48-6 EC No.: 232-433-8	Aquatic Chronic 2 - H411, Skin Irrit.2 - H315, Skin. Sens 1 - H317, Asp. Tox - H304, Flam. Liq 3- H226	1-10%

The full text for all hazard statements are displayed in section 16.

Composition comments

No information available.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

General first aid, rest, warmth and fresh air.

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

If this product is ingested, seek medical attention immediately. Give the exposed person small amounts of water to drink. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes.

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

Inhalation of vapors or fumes may cause minor respiratory irritation.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause allergic reactions.

Eye contact

Prolonged contact may cause redness and/or tearing. Causes eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to the physician**

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!

Section 5: Fire-fighting measures**5.1 Extinguishing media****Extinguishing media**

Dry chemical, foam or carbon dioxide

Unsuitable extinguishing media

No information available.

5.2 Special hazards arising from the substance or mixture**Hazardous combustion products**

Combustion may lead to the release of oxides of carbon.

Unusual fire & explosion hazards

No unusual fire or explosion hazards noted.

Specific hazards

No information available.

5.3 Advice for firefighters

Special fire fighting procedures	If possible, fight fire from protected position. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water.
Protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Section 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
For emergency responders	No information available.

6.2 Environmental precautions

Environmental precautions	Do not discharge into drains, water courses or onto the ground.
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6.3 Methods and material for containment and cleaning up

Spill clean up methods	When dealing with a spillage, please consult the section relating to suitable protective measures. Stop leak if possible without risk. DO NOT touch spilled material! Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with non combustible material. Keep in suitable closed containers for disposal. Wash thoroughly after dealing with a spillage.
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6.4 Reference to other sections

Reference to other sections	For waste disposal, see section 13.
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Section 7: Handling and storage**7.1 Precautions for safe handling**

Handling	Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Wash thoroughly after handling. Rinse container before disposal. Do not mix with other chemicals. Keep out of reach of children and pets.
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7.2 Conditions for safe storage, including any incompatibilities

Storage precautions	Avoid cold temperatures. Store in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers. Keep away from oxidizing materials. Keep away from other chemicals.
Storage class	No information available.

7.3 Specific end use(s)

Specific end use(s)	The identified uses are in section 1 of this Safety Data Sheet.
Usage description	Use only according to directions.

Section 8: Exposure controls/Personal protection**8.1 Control parameters**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
ethanol ethyl alcohol	OEL	0.000 ppm	0.000 mg/m ³	1000.000 ppm	0.000 mg/m ³	

Ingredient comments	No information available.
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8.2 Exposure Controls

Protective equipment



Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Not normally required if good ventilation is maintained.

Hand protection

Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Butyl rubber. Layer thickness: 0.7 mm, Breakthrough time: >480 min Butyl rubber gloves are recommended. Rubber gloves are recommended. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. 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.

Eye protection

Wear safety goggles in accordance with EN166. Eye protection equipment should be tested and approved according to regulations applicable, like NIOSH (US) or EN 166 (EU).

Other protection

No information available.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands 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. When using do not eat, drink or smoke.

Process conditions

Provide eyewash, quick drench. Use engineering controls to reduce air contamination to permissible exposure level.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Amber, orange.
Odour	Faint odour.
Odour threshold - lower	No information available.
Odour threshold - upper	No information available.
pH-Value, Conc. Solution	7.90
pH-Value, Diluted solution	No information available.
Melting point	-4.00 °C
Initial boiling point and boiling range	101.00 - 0.00 °C
Flash point	65.00 °C
Evaporation rate	No information available.
Flammability state	No information available.
Flammability limit - lower(%)	No information available.
Flammability limit - upper(%)	No information available.
Vapour pressure	No information available.
Vapour density (air=1)	No information available.
Relative density	1001 g/l @ 0.00

Bulk density	No information available.
Solubility	Completely soluble in water.
Decomposition temperature	No information available.
Partition coefficient; n-Octanol/Water	No information available.
Auto ignition temperature (°C)	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.

9.2 Other information

Molecular weight	No information available.
Volatile organic compound	No information available.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Reactions may occur with strong oxidizing materials.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	For information on hazardous reactions see section 10.1.
Hazardous polymerisation	No information available.
Polymerisation description	No information available.

10.4 Conditions to Avoid

Conditions to avoid	Avoid contact with heat, flames and sparks.
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10.5 Incompatible materials

Materials to avoid	Keep away from oxidizing agents. Keep away from other chemicals.
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10.6 Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available.
Acute toxicity (Dermal LD50)	No information available.
Acute toxicity (Inhalation LD50)	No information available.
Serious eye damage/irritation	None.
Skin corrosion/irritation	No information available.
Respiratory sensitisation	No information available.

Skin sensitisation	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	No information available.
Inhalation	Inhalation of vapors or fumes may cause minor respiratory irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause allergic reactions.
Eye contact	Prolonged contact may cause redness and/or tearing. Causes eye irritation.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	No information available.
Target organs	No information available.
Aspiration hazards:	No information available.
Reproductive toxicity:	No information available.

Name	LD50 oral	LD50 dermal	LD50 inhalation
ethanol ethyl alcohol			
Orange, sweet, ext.			

Section 12: Ecological information

12.1 Toxicity

Acute toxicity - Fish	No information available.
Acute toxicity - Aquatic invertebrates	No information available.
Acute toxicity - Aquatic plants	No information available.
Acute toxicity - Microorganisms	No information available.
Chronic toxicity - Fish	No information available.
Chronic toxicity - Aquatic invertebrates	No information available.
Chronic toxicity - Aquatic plants	No information available.
Chronic toxicity - Microorganisms	No information available.
Ecotoxicity	The product contains a very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

Degradability	Readily biodegradable. Evaporates readily.
Biological oxygen demand	
Chemical oxygen demand	

12.3 Bioaccumulative potential

Bioaccumulative potential	Does not bioaccumulate.
Bioaccumulation factor	No information available.
Partition coefficient; n-Octanol/Water	No information available.

12.4 Mobility in soil

Mobility	Completely soluble in water.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Other adverse effects

Other adverse effects No known significant effects or critical hazards.

Section 13: Disposal considerations

Waste management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1 Waste treatment methods

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

Section 14: Transport information**14.1 UN number**

UN no. (ADR) UN3082
UN no. (IMDG) UN3082
UN no. (IATA) UN3082

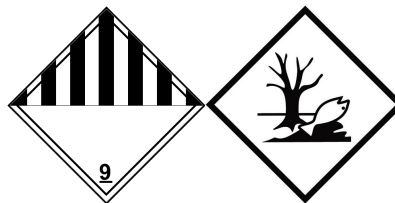
14.2 UN proper shipping name

ADR proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IATA proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S.

14.3 Transport hazard class(es)

ADR class 9
IMDG class 9
IATA class 9

Transport labels

**14.4 Packing group**

ADR/RID/ADN packing group III
IMDG packing group III
IATA packing group III

14.5 Environmental hazards

ADR No
IMDG No
IATA No

14.6 Special precautions for user

EMS F-A, S-F
Emergency action code A97 A158 A197
Hazard no. (ADR) 90
Tunnel restriction code (E)

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures,

amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Approved code of practice 2011 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001 (S.I. No. 619 of 2001)

Chemical safety assessment No chemical safety assessment has been carried out.

Section 16: Other information

General information This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010
Revision comments No information available.
Revision date 01 March 2021
Supersedes date 05 February 2018
Revision 4
Safety data sheet status Approved.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H316 Causes mild skin irritation.

Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.