

Product Bio Kleen Tar Gum & Label Remover  
 Revision date 05 February 2018  
 Revision 3



## 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<br>EC No.: 200-578-6   | Flam. Liq 2- H225   | 30-60% |
| Orange, sweet, ext.   | CAS-No.: 8028-48-6<br>EC No.: 232-433-8 | Aquatic Chronic 2 - H411, Skin Irrit.2 - H315, Skin. Sens 1 - H317,<br>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**

|  |  |
|--|--|
| <b>Special fire fighting procedures</b>      | 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. |
| <b>Protective equipment for firefighters</b> | 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**

|                                 |   |
|---------------------------------|---|
| <b>Personal precautions</b>     | Wear protective clothing as described in Section 8 of this safety data sheet. |
| <b>For emergency responders</b> | No information available.   |

**6.2 Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | Do not discharge into drains, water courses or onto the ground. |
|----------------------------------|---|

**6.3 Methods and material for containment and cleaning up**

|                               |   |
|-------------------------------|---|
| <b>Spill clean up methods</b> | 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. |
|-------------------------------|---|

**6.4 Reference to other sections**

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Reference to other sections</b> | For waste disposal, see section 13. |
|------------------------------------|-------------------------------------|

**Section 7: Handling and storage****7.1 Precautions for safe handling**

|                 |  |
|-----------------|--|
| <b>Handling</b> | 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. |
|-----------------|--|

**7.2 Conditions for safe storage, including any incompatibilities**

|                            |   |
|----------------------------|---|
| <b>Storage precautions</b> | 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. |
| <b>Storage class</b>       | No information available.   |

**7.3 Specific end use(s)**

|                            |   |
|----------------------------|---|
| <b>Specific end use(s)</b> | The identified uses are in section 1 of this Safety Data Sheet. |
| <b>Usage description</b>   | 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 <sup>3</sup> | 1000.000 ppm  | 0.000 mg/m <sup>3</sup> |       |

|                            |                           |
|----------------------------|---------------------------|
| <b>Ingredient comments</b> | No information available. |
|----------------------------|---------------------------|

## 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

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

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

## **9.2 Other information**

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Molecular weight</b>          | No information available. |
| <b>Volatile organic compound</b> | No information available. |

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## **Section 10: Stability and reactivity**

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### **10.1 Reactivity**

|                   |  |
|-------------------|--|
| <b>Reactivity</b> | Reactions may occur with strong oxidizing materials. |
|-------------------|--|

### **10.2 Chemical stability**

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable under normal temperature conditions and recommended use. |
|------------------|---|

### **10.3 Possibility of hazardous reactions**

|                                   |  |
|-----------------------------------|--|
| <b>Hazardous reactions</b>        | For information on hazardous reactions see section 10.1. |
| <b>Hazardous polymerisation</b>   | No information available.                                |
| <b>Polymerisation description</b> | No information available.                                |

### **10.4 Conditions to Avoid**

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | Avoid contact with heat, flames and sparks. |
|----------------------------|---|

### **10.5 Incompatible materials**

|                           |  |
|---------------------------|--|
| <b>Materials to avoid</b> | Keep away from oxidizing agents. Keep away from other chemicals. |
|---------------------------|--|

### **10.6 Hazardous decomposition products**

|   |                   |
|---|-------------------|
| <b>Hazardous decomposition products</b> | Oxides of carbon. |
|---|-------------------|

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## **Section 11: Toxicological information**

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### **11.1 Information on toxicological effects**

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

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

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

## Section 12: Ecological information

### 12.1 Toxicity

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

### 12.2 Persistence and degradability

|                                 |  |
|---------------------------------|--|
| <b>Degradability</b>            | Readily biodegradable. Evaporates readily. |
| <b>Biological oxygen demand</b> |  |
| <b>Chemical oxygen demand</b>   |  |

### 12.3 Bioaccumulative potential

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

### 12.4 Mobility in soil

|                 |                              |
|-----------------|------------------------------|
| <b>Mobility</b> | Completely soluble in water. |
|-----------------|------------------------------|

### 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

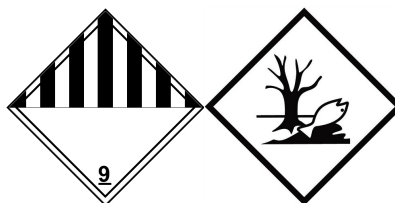
**14.2 UN proper shipping name**

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.

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**Section 16: Other information**

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**General information** This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010  
**Revision comments** No information available.  
**Revision date** 05 February 2018  
**Supersedes date** 05 February 2018  
**Revision** 3  
**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.