

# Safety Data Sheet Tug Clean

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Tug Clean

**Recommended Use:** Non caustic oven and grill cleaner

**Supplier:** Genesis Industrial Pty Ltd, 6 Ginger Street, Paget 4740 **Phone No:** 07 4999743

**Emergency Phone No - 13 11 26 – Poisons Information Centre**

## 2. HAZARDS IDENTIFICATION

**SIGNAL WORD :- WARNING**

### Statement of Hazardous Nature

This product is classified as: Xi, Irritating.

Hazardous according to the criteria of SWA.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: R36/38. Irritating to eyes and skin.

Safety Phrases: S23, S26, S28, S36, S45, S24/25. Do not breathe mists or spray. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing. In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show this MSDS where possible). Avoid contact with skin and eyes.

SUSMP Classification: S6

ADG Classification: None allocated. Not a Dangerous Good under the ADG Code.

UN Number: None allocated



### HAZARD STATEMENT:

H315: Causes skin irritation.

H320: Causes eye irritation.

H335: May cause respiratory irritation.

### PREVENTION

P102: Keep out of reach of children.

P264: Wash contacted areas thoroughly after handling.

P280: Wear protective gloves, protective clothing and eye or face protection.

### RESPONSE

P362: Take off contaminated clothing and wash before reuse.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

#### STORAGE

P402+P404: Store in a dry place. Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients                     | CAS No    | Conc,% TWA (mg/m3) STEL (mg/m3) |         |         |  |
|---------------------------------|-----------|---------------------------------|---------|---------|--|
| 2-Butoxyethanol                 | 111-76-2  | 0-10                            | 96.9    | 242     |  |
| MEA                             | 141-43-5  | 0-<10                           | 3ppm    | 6ppm    |  |
| Other non hazardous ingredients | various   | <5                              | not set | not set |  |
| Water                           | 7732-18-5 | to 100                          | not set | not set |  |

### 4. FIRST AID MEASURES

**Inhalation:** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

### 5. FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be irritating if inhaled.

|                                  |   |
|----------------------------------|---|
| <b>Extinguishing Media:</b>      | Not combustible. Use extinguishing media suited to burning materials.                   |
| <b>Fire Fighting:</b>            | If a significant quantity of this product is involved in a fire, call the fire brigade. |
| <b>Flash point:</b>              | Does not burn.  |
| <b>Upper Flammability Limit:</b> | Does not burn.  |
| <b>Lower Flammability Limit:</b> | Does not burn.  |
| <b>Autoignition temperature:</b> | Not applicable - does not burn.   |
| <b>Flammability Class:</b>       | Does not burn.  |

### 6. ACCIDENTAL RELEASE MEASURES

.For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

## 7. HANDLING AND STORAGE

**Safety:** Keep out of reach of children. Do not mix with other chemicals.

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed.

The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501set 2008,

Industrial Eye Protection: AS1336 and AS/NZS 1337,

Occupational Protective Footwear: AS/NZS2210.

| SWA Exposure Limits | TWA (mg/m <sup>3</sup> ) | STEL (mg/m <sup>3</sup> ) |
|---------------------|--------------------------|---------------------------|
| MEA                 | 3                        | 6                         |
| 2-Butoxyethanol     | 96.9                     | 242                       |

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. **Ventilation:** This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

**Eye Protection:** Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

**Skin Protection:** Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: Viton, nitrile, butyl rubber.

**Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary. Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being handled commercially.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                |   |
|--------------------------------|---|
| Physical Description & colour: | Clear liquid.                             |
| Odour:                         | Chemical.                                 |
| Boiling Point:                 | Approximately 100°C at 100kPa.            |
| Freezing/Melting Point:        | Below 0°C.                                |
| Volatiles: Water component.    |   |
| Vapour Pressure:               | 2.37 kPa at 20°C (water vapour pressure). |
| Vapour Density:                | As for water.                             |
| Specific Gravity:              | 1.01-1.02                                 |
| Water Solubility:              | Completely soluble in water.              |
| pH:                            | 12.50-13.50 (as supplied)                 |
| Volatility:                    | No data.                                  |
| Odour Threshold:               | No data.                                  |
| Evaporation Rate:              | As for water.                             |
| Coeff Oil/water Distribution:  | No data                                   |
| Autoignition temp:             | Not applicable - does not burn.           |

## 10. STABILITY AND REACTIVITY

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry.

**Incompatibilities:** strong acids, strong bases, strong oxidising agents.

**Fire Decomposition:** Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

## 11. TOXICOLOGICAL INFORMATION

### Toxicity:

2-butoxyethanol is a severe eye irritant. Results of skin irritation studies are conflicting; however, it is considered to be a mild to moderate skin irritant in test animals. Contact dermatitis has been reported in a few cases.

It is well absorbed via the inhalational, oral and dermal routes. Absorption studies in various species, including humans, have shown that 2-butoxyethanol is rapidly absorbed through the skin, including absorption from aqueous solutions.

**There is no data to hand indicating any particular target organs.**

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways

**Persistence/degradability:** Insufficient Information

**Aquatic toxicity:** Not Known

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:**

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

**14. TRANSPORT INFORMATION**

**Road and Rail Transport:** Not Dangerous Goods

**15. REGULATORY INFORMATION**

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

**Section 16. Other Information**

*This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

**Contact Person/Point** Genesis Industrial Pty Ltd, Technical Manager