Warranty:
The Chewing Gum Removal machine should only be operated with the service packs supplied. Using alternative supplies may cause damage to the machine and poses a risk to the operative. Using alternative supplies voids manufacturer's warranty.

Machine parts

Preparation for use

DO NOT OPERATE THE MACHINE WITHOUT READING AND UNDERSTANDING THE OPERATING INSTRUCTIONS. IF THE MACHINE IS OPERATED INCORRECTLY IT CAN POSE DANGER TO THE OPERATOR AND OTHERS AND WILL INVALIDATE THE MANUFACTURERS WARRANTY. BEFORE USE, READ AND UNDERSTAND THE FOLLOWING:

1. A Risk Assessment for the works to be undertaken.
2. MSDS Chemical Data Sheet.
3. Risk Assessment for Chemical use.
4. LPG data sheet.
IMPORTANT NOTICE:
Before inserting the LPG Gas and gum removal chemical correctly fit the backpack to the operator by adjusting the straps to fit. The backpack has been designed to be kept upright at all times when the LPG and gum removal chemical are inserted. This is important to the operation of the machine.

Cautions when using the machine:
- Keep the unit upright at all times when operating or when chemical or gas is inserted.
- The rechargeable battery has been designed to be fully charged BEFORE each use.
- Only use the approved solution and LPG for the safe use of the machine.
- Using other consumable items in the machine invalidates the warranty and will lead to damage of the internal parts of the machine and also may pose a risk to the operative.
- Make sure the operator has read and understood these instructions before attempting to use the machine and is fully trained in its operation.

Consumable Items:
LPG gas consumption will vary slightly according to atmospheric pressures. The service pack contains 2 x LPG gas bottles, which will last approximately 8 hours. Chemical (2 Litre) will last for approximately 2 hours of continual use. 4 x chemical bottles will last for approximately 8 continual hour’s operation.

The Brushes will wear according to the surface being cleaned. Each Brush will last for approximately 4 hours. 2 x Brushes will last for 8 hours continual operation of the machine. Only use the specifically designed brush as this has a jet incorporated for the machine to work correctly.

Choose a wire brush for solid urban surfaces such as concrete, natural stone, tarmac, asphalt and other common urban surfaces. Choose a nylon brush for soft surfaces such as manmade flooring, sandstone etc. Choose the green carpet nylon brush for wooden flooring, entrance matting and heavy-duty carpet.

IMPORTANT NOTICE:
Always complete a test patch on the above surfaces to make sure no damage occurs to the flooring or surface.

Service Pack:
When a machine is purchased, it require a service pack. Each service pack provides a continuous 8 hour operation and consists of:
- 2 x LPG Gas Cartridges
- 4 x Chemical Bottles
- 2 x Brushes

Installation 1.
Before operating the machine:
1. Ensure that the machine battery has been fully charged before each 8 hour cycle.
2. Remove the lid using the black clips.
3. Insert the solution bottle into the square hole in the unit.
4. Remove the cap from the chemical bottle.
5. Screw the black cap onto the bottle (which is attached to the unit by a tube) and make sure the tube is pushed as far down as it will go into the bottle.
6. Screw the 2 LPG gas cartridges onto the gas valve manifold ensuring that it is tightly connected and place those into the unit. Ensure the orange hose is pushed down.
7. Turn the 2 gas valves on.
8. Replace the lid securely by the 2 clips either side & ensure pipes/cables are not snagged.
9. There is a safety switch which operates the gas solenoid on the lid.

Screw a wire or nylon ecogum removal brush onto the end of the Nozzle of the Lance.
Installation 2.

Turning ON the machine:

1. Make sure the speed controller is set at 12 o'clock facing directly upright in the off position '0'.
2. Turn the pump/gas/fan on by pushing the red switch to the position 1.
3. After approx. 5 seconds push the red starter button until you hear the unit ignite, then release. If machine does not fire up start re-check instructions from 1.
4. The unit will take about 3 minutes to heat up. Slowly turn the speed controller to number 2 and wait until the brush starts to steam. After 1 minute adjust as necessary.

A small adjustment may be required on the speed controller depending on what type of surface you are removing the gum and how much fluid is required.

Using the machine:

1. Place the brush on the piece of flattened gum and wait 5-10 seconds.
2. Agitate the flattened gum with the brush until you see it disintegrate by using circular motions – do not scrub or apply pressure. The weight of the lance with agitation is all that is required.
3. Remove the lance from the gum and use a broom to sweep across the area to ensure the gum has been destroyed or if further cleaning is needed.
4. As gum deposits are all different there will be varying times taken to destroy each piece.

Turning OFF the machine:

1. Turn the red switch off which will isolate the machine.
2. Turn gas valves off.
3. To drain the unit, turn the switch ON.
4. With the speed control at NO. 10 until there is no fluid coming from the nozzle at the end of the lance.
5. Turn the red switch off so the pump is no longer working.

Safety Data Sheet
according to 1907/2006/EC, Article 31
GUM REMOVER SOLUTION

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

1.1. Product identifier
   GUM REMOVER SOLUTION

1.2. Name and address of the manufacturer/supplier/distributor

   Merco Chemicals Ltd
   Unit 1, Prestwood Mill Business Park, Littlewick, Hanger SG39 7PP, United Kingdom

   Tel: 01428 761152
   Fax: 01428 751133
   Email: technical@mercochemicals.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

   No Significant Hazard

SECTION 3: Composition/information on ingredients

   Description
   No Significant Hazard

SECTION 4: First aid measures

4.1. Description of first aid measures

   Inhalation
   If inhaled move to fresh air. Keep warm and at rest.

   Eye contact
   Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or temporary partial.

   Skin contact
   Wash off immediately with plenty of soap and water. Seek medical attention if irritation or permanent partial.

   Ingestion
   If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

5.1. Extinguishing media
   Use water spraying media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture
   Burning produces irritating, toxic and corrosive fumes.

5.3. Advice for fire-fighters
   Wear Self-contained breathing apparatus.

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.
Safety Data Sheet
according to 1907/2006/EC, Article 31
GUM REMOVER SOLUTION

SECTION 3: Handling and storage
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.

SECTION 4: Exposure controls/personal protection
8. Exposure control
8.2. Personal protective equipment
8.2.1. Appropriate engineering controls
Ensure adequate ventilation of the working area.

SECTION 5: Physical and chemical properties
9.1. Information on basic physical and chemical properties
State: Liquid
Colour: Grey
Odour: Characteristic
pH: 9
Relative density: 1.00
Soluble in water

SECTION 11: Biological Information
11.1. Information on ecotoxicological effects
Acute toxicity: The material is unlikely to cause any adverse effects in normal conditions of handling and use.

SECTION 13: Disposal considerations

SAFETY DATA SHEET

Butane-Propane Mix Gas Cartridge

1. Identification of the Substance/Preparation and Company/Seller Information

Butane-Propane Mix Gas Cartridge

Company name, address and normal telephone number: EcoGum, 349-353 High Street
Emergency telephone no: +44(0)161 121 427 5815

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS</th>
<th>EC Index</th>
<th>EEC</th>
<th>Eini cs</th>
<th>Use gog gles or face shield when handling in liquid form.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons C3-4 Rich, Petroleum Distillates, Petroleum Gas Liquefied.</td>
<td>1965 (1075) Mixture AO, NOS, ARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The most important hazards are: pH: Neutral

3. Hazards Identification

4. First Aid Measures

Inhalation
- If breathing has stopped, give appropriate artificial respiration (preferably with a brook airway). When breathing starts, place subject in recovery position. Do not leave the victim. Get medical assistance.

Eye contact
- Immediately drench eyes with cold water, irrigating the affected area for 10 minutes. As damage to the eye may be serious, seek medical assistance without delay.

Skin contact
- Wash affected area with soap and water. If irritation continues, seek medical assistance.

5. Fire-Fighting Measures

Suitable extinguishing media:
- Water spray if available
- Dry chemical powder
- Carbon dioxide

Special hazards in fire fighting:
- The gas is heavier than air and in the event of a spillage will collect in depressions.
- It is highly flammable.

6. Accidental Release Measures

Immediate danger area, and the area of the path of the gas cloud, if possible. Switch off all sources of ignition, check for drains or gullies. If possible, allow gas to be released slowly into the atmosphere to reduce the hazard. If this is not possible, safely contain and prevent gas from entering drains or gullies. Where appropriate refer to information under headings “8. Exposure controls” and “13. Disposal Considerations”.

Methods for cleaning:
- Attempts should be made to prevent gas vapours entering drains or gullies.

7. Handling and Storage

Handling:
- GoSystem gas cartridges are supplied from the factory in Fibreboard Combination should be used. Other.
- Avoid direct skin contact. Clean up accidents promptly. Keep container adequately closed.

Storage:
- Keep container adequately closed.
- Store in a cool, dry place. Keep away from heat, sparks, and flame.
- Do not store with oxidizing agents or strong acids.

8. Exposure Controls

Exposure Control Limits, and source: Notes for Doctors: No special information.

9. Physical and Chemical Properties

Boiling point/boiling point range: -42 Deg.C.

10. Stability and Reactions in Fire

Inhalation:
- The most important hazards are: pH: Neutral

11. Toxicological Information

Inhalation:
- The most important hazards are: pH: Neutral

12. Ecological Information

13. Disposal Considerations

 Likely residues/waste product (if any):
- Metal Container.

Emergency telephone no: +44(0)161 121 427 5815

Prevent from hot, highly reactive materials. Do not incinerate. Ensure complete combustion of flammable gases.

14. Other Information

Environmental precautions:
- If possible, allow gas to be released slowly into the atmosphere to reduce the hazard. If this is not possible, safely contain and prevent gas from entering drains or gullies. Where appropriate refer to information under headings “8. Exposure controls” and “13. Disposal Considerations”.

Methods for cleaning:
- Attempts should be made to prevent gas vapours entering drains or gullies.

15. Regulatory Information

Emergency telephone no: +44(0)161 121 427 5815

Prevent from hot, highly reactive materials. Do not incinerate. Ensure complete combustion of flammable gases.

16. Other Information

Environmental precautions:
- If possible, allow gas to be released slowly into the atmosphere to reduce the hazard. If this is not possible, safely contain and prevent gas from entering drains or gullies. Where appropriate refer to information under headings “8. Exposure controls” and “13. Disposal Considerations”.

Methods for cleaning:
- Attempts should be made to prevent gas vapours entering drains or gullies.