SAFETY DATA SHEET  
BOARDWALK GUM REMOVER  12N6  

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Material name</th>
<th>Boardwalk Gum Remover BWK353A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material number</td>
<td>1041286 / A00183</td>
</tr>
</tbody>
</table>

**Manufacturer or supplier's details**

<table>
<thead>
<tr>
<th>Company</th>
<th>Boardwalk / Essendant Co.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>One Parkway North</td>
</tr>
<tr>
<td></td>
<td>Deerfield, IL 60015</td>
</tr>
<tr>
<td>Telephone</td>
<td>844-828-5617</td>
</tr>
</tbody>
</table>

**Emergency telephone numbers**

<table>
<thead>
<tr>
<th>For SDS Information</th>
<th>844-828-5617</th>
</tr>
</thead>
<tbody>
<tr>
<td>For a Medical Emergency</td>
<td>Chemtel: 1(800)255-3924</td>
</tr>
</tbody>
</table>

**Recommended use of the chemical and restrictions on use**

| Recommended use                       | Specialty Cleaner and Remover |

SECTION 2. HAZARDS IDENTIFICATION

**Emergency Overview**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Aerosol containing a liquefied gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>clear</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
</tbody>
</table>

**GHS Classification**

| Flammable aerosols            | Category 1                        |
| Gases under pressure          | Liquefied gas                     |

**GHS label elements**

<table>
<thead>
<tr>
<th>Hazard pictograms</th>
</tr>
</thead>
</table>

| Signal word                  | Danger                           |

<table>
<thead>
<tr>
<th>Hazard statements</th>
</tr>
</thead>
</table>

| H222 Extremely flammable aerosol. |
| H280 Contains gas under pressure; may explode if heated. |

<table>
<thead>
<tr>
<th>Precautionary statements</th>
</tr>
</thead>
</table>

| Prevention:                  |
| P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P211 Do not spray on an open flame or other ignition source. |
| P251 Pressurized container: Do not pierce or burn, even after use. |

| Storage:                     |
| P410 + P412 Protect from sunlight. Do not expose to |
temperatures exceeding 50 °C/122 °F.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>&gt;= 70 - &lt; 90</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>&gt;= 20 - &lt; 30</td>
</tr>
</tbody>
</table>

The exact percentages of disclosed substances are withheld as trade secrets.

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
                Show this safety data sheet to the doctor in attendance.
                Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.
             If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
                         Get medical attention if irritation develops and persists.
                         Wash contaminated clothing before re-use.
                         Wash off immediately with plenty of water for at least 15 minutes.

In case of eye contact : Remove contact lenses.
                         Protect unharmed eye.
                         Keep eye wide open while rinsing.
                         If eye irritation persists, consult a specialist.
                         If in eyes, rinse with water for 15 minutes.

If swallowed : Keep respiratory tract clear.
               Never give anything by mouth to an unconscious person.
               If symptoms persist, call a physician.
               DO NOT induce vomiting unless directed to do so by a physician or poison control center.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
                               Carbon dioxide (CO2)
                               Dry chemical
                               Water spray jet

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products: Carbon dioxide (CO2)
Carbon monoxide
Smoke

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information: For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
Always replace cap after use.
Do not breathe vapours or spray mist.

Conditions for safe storage: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
No smoking.
Observe label precautions.
Keep in a cool, well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid: Strong oxidizing agents
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td>106-97-8</td>
<td>TWA</td>
<td>800 ppm 1,900 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>800 ppm 1,900 mg/m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,800 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Engineering measures : effective ventilation in all processing areas

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.

When using do not smoke.

When using do not eat or drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol containing a liquefied gas

Colour : clear

Odour : odourless

Odour Threshold : No data available

pH : Not applicable
Melting point/freezing point : No data available
Boiling point : No data available
Flash point :
  : No data available
Evaporation rate : No data available
Flammability (solid, gas) : Extremely flammable aerosol.
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available
Relative vapour density : No data available
Density : No data available
Solubility(ies)
  Water solubility : negligible
Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : not determined
Thermal decomposition : No data available
Viscosity
  Viscosity, kinematic : No data available
Heat of combustion : 49.35 kJ/g

SECTION 10. STABILITY AND REACTIVITY
Reactivity : Stable
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No decomposition if stored and applied as directed.
  Vapours may form explosive mixture with air.
Conditions to avoid : Heat, flames and sparks.
  Extremes of temperature and direct sunlight.
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION
Potential Health Effects
Carcinogenicity:

IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Acute toxicity

Components:

butane:
Acute inhalation toxicity: LC50 Mouse: 1,237 mg/l
Exposure time: 2 h
LC50 Rat: 1,355 mg/l

propane:
Acute inhalation toxicity: LC50 Mouse: 1,237 mg/l
Exposure time: 2 h
LC50 Rat: 658 mg/l
Exposure time: 4 h
LC50 Rat: 1,355 mg/l

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available

butane:
propane:

STOT - single exposure
No data available
STOT - repeated exposure
No data available

Aspiration toxicity
No data available

Further information

**Product:**
Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

**Persistence and degradability**
No data available

**Bioaccumulative potential**

**Product:**
Partition coefficient: n-octanol/water
Remarks: No data available

**Components:**
butane:
Partition coefficient: n-octanol/water: Pow: 2.89

Mobility in soil
No data available

**Other adverse effects**
No data available

**Product:**
Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Dispose of in accordance with local regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA): ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel): UN1950, AEROSOLS, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air): UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air): UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada): UN1950, AEROSOLS, 2.1, - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Sudden Release of Pressure Hazard Fire Hazard

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop 65  This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

- **TSCA**: On TSCA Inventory  
- **DSL**: All components of this product are on the Canadian DSL

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

**Inventory Acronym and Validity Area Legend:**  
TSCA (USA), DSL (Canada), NDSL (Canada)

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**SECTION 16. OTHER INFORMATION**

**Further information**

- **NFPA:**
  - Flammability  
  - Health  
  - Instability

- **HMIS III:**
  - **HEALTH**: 3
  - **FLAMMABILITY**: 4
  - **PHYSICAL HAZARD**: 2

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Health</th>
<th>Instability</th>
<th>Special hazard.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

0 = not significant, 1 =Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

**OSHA GHS Label Information:**

- **Hazard pictograms**: 
- **Signal word**: Danger
- **Hazard statements**: Extremely flammable aerosol. Contains gas under pressure; may explode if heated.
- **Precautionary statements**: Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.
- **Storage**: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
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