

SECTION 1: Product and company identification

Product name : Baseboard Stripper
Use of the substance/mixture : Aerosol
Product code : 8177
Company : Total Solutions
P.O. Box 240014
Milwaukee, WI 53224 - USA
T (414) 354-6417
Emergency number : Chemtec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

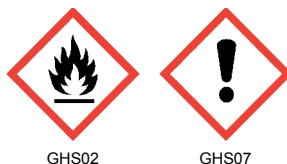
Flam. Aerosol 1 H222
Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Extremely flammable aerosol
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements (GHS-US) :

Keep away from heat, sparks, open flames, hot surfaces, Do not smoke. - No smoking
Do not spray on an open flame or other ignition source
Pressurized container: Do not pierce or burn, even after use
Avoid breathing gas
Wash thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves
If on skin: Wash with plenty of water
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Specific treatment (see First aid measures on this label)
If skin irritation occurs: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Take off contaminated clothing and wash before reuse
Take off contaminated clothing and wash it before reuse
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|--|--------------------|----------|---|
| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | (CAS No) 111-76-2 | 20 - 40 | Not classified |
| butane | (CAS No) 106-97-8 | 2.5 - 10 | Flam. Gas 1, H220 Compressed gas, H280 |

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| Name | Product identifier | % | Classification (GHS-US) |
|--------------------|--------------------|---------|--|
| propane | (CAS No) 74-98-6 | 1 - 2.5 | Flam. Gas 1, H220 Compressed gas, H280 |
| ammonia, anhydrous | (CAS No) 7664-41-7 | 0.1 - 1 | Flam. Gas 2, H221 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 |
| pine oils | (CAS No) 8002-09-3 | 0.1 - 1 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1A, H317 Asp. Tox. 1, H304 |

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. show this sheet where possible. Keep watching the victim. Keep victim warm and rested. Wash contaminated clothing before reuse.
- First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If experiencing respiratory symptoms: Call a poison center or a doctor.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Immediately call a poison center or doctor/physician. Rinse mouth. Do not induce vomiting without medical advice. Vomiting: prevent asphyxia/aspiration pneumonia.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : None under normal use.
- Symptoms/injuries after skin contact : Dermatitis. Skin rash/inflammation. Irritation. Red skin. May cause an allergic skin reaction. Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed. Keep watching the victim.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Powder. Alcohol-resistant foam. Water fog. Carbon dioxide.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol. May liberate toxic gases. Combustion produces irritating gases.
- Explosion hazard : Contains gas under pressure; may explode if heated.
- Reactivity : Reacts violently with strong acids. This product may react with oxidizing agents.

5.3. Advice for firefighters

- Firefighting instructions : In case of fire and/or explosion do not breathe fumes. Move containers away from the fire area if this can be done without risk. NEVER direct water jet on liquid. Use water spray or fog for cooling exposed containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No flames, No sparks. Eliminate all sources of ignition.

6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment. Do not breathe gas/vapor. DO NOT touch spilled material. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.
- Emergency procedures : Ventilate the area thoroughly, especially low lying areas (basements, work pits etc.). Advice local authorities if considered necessary.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid discharge to the environment. Do not contaminate water with the product or its container. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

- For containment : Eliminate every possible source of ignition. NO open flames, NO sparks, and NO smoking. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Form with air vapors (heavier than air) who stay on the floor. Gas is denser than air. May accumulate in low areas e.g. close to the ground. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if safe to do so. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to disperse the vapors. Isolate area until gas has dispersed.
- Methods for cleaning up : Following product recovery, flush area with water. Clean thoroughly. Dispose as hazardous waste. Reference to other sections (13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Vapors may form explosive mixture with air. Exclude sources of heat, sparks and open flame. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any incandescent material. Do not smoke while handling product. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use only explosion-free electrical equipment with earth. Do not re-use empty containers. Obtain special instructions before use. Reduce/avoid exposure and/or contact. Do not breathe gas/vapor/aerosol. Avoid contact with skin, eyes and clothing. Avoid prolonged and repeated contact with skin. Use only outdoors or in a well-ventilated area. Wear positive pressure air supplied respirator if required by safe entry procedures. Wear recommended personal protective equipment.
- Hygiene measures : Wash thoroughly after handling. Use good personal hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Store locked up. Refrigerate.
- Incompatible products : Refer to Section 10 on Incompatible Materials.
- Incompatible materials : Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.
- Storage area : Store in a cool area. Aerosol 1.
- Special rules on packaging : meet the legal requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| propane (74-98-6) | | |
|---|----------------------|---------------|
| ACGIH | ACGIH TWA (ppm) | 1000 ppm |
| OSHA | OSHA PEL (TWA) (ppm) | 1000 ppm |
| butane (106-97-8) | | |
| ACGIH | ACGIH TWA (ppm) | 1000 ppm |
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |
| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2) | | |
| ACGIH | ACGIH TWA (ppm) | 20 ppm |
| ACGIH | Remark (ACGIH) | Eye & URT irr |

8.2. Exposure controls

- Appropriate engineering controls : Provide sufficient air exchange and/or exhaust. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid exposure, obtain special instructions before use.
- Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Face shield. Protective clothing.



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| Hand protection | : Avoid exposure, obtain special instructions before use. |
| Eye protection | : Avoid exposure, obtain special instructions before use. Face shield. Avoid contact with eyes. |
| Skin and body protection | : Avoid exposure, obtain special instructions before use. Avoid contact with skin. Wear chemical protective equipment that is specifically recommended by the manufacturer. Use of an impervious apron is recommended. It may provide little or no thermal protection. |
| Respiratory protection | : Avoid exposure, obtain special instructions before use. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. |
| Thermal hazard protection | : Use appropriate personal protective equipment when risk assessment indicates this is necessary. |
| Consumer exposure controls | : When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--------------------------------|
| Physical state | : Liquid |
| Appearance | : Aerosol. |
| Odor | : Solvent-like odor |
| Odor threshold | : No data available |
| pH | : 11.5 - 12.5 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 189.02 °F Estimated |
| Flash point | : -156 °F Propellant estimated |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Relative density | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific gravity / density | : 0.912 g/ml Estimated |
| Solubility | : No data available |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Auto-ignition temperature | : 230°C Estimated |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| VOC content | : 31 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with strong acids. This product may react with oxidizing agents.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. Incompatible materials.

10.5. Incompatible materials

acids. Strong oxidizing agents. Oxidizing agents. Nitrates. Fluorine. Chlorine.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| | |
|--|----------------------------|
| Baseboard Stripper | |
| LD50 dermal rat | 2781 mg/kg |
| LC50 inhalation rat (mg/l) | 712 mg/l/4h |
| ammonia, anhydrous (7664-41-7) | |
| ATE CLP (gases) | 700.000 ppmV/4h |
| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2) | |
| ATE CLP (oral) | 500.000 mg/kg body weight |
| ATE CLP (dermal) | 1100.000 mg/kg body weight |
| ATE CLP (dust, mist) | 1.500 mg/l/4h |
| pine oils (8002-09-3) | |
| LD50 oral rat | 3200 mg/kg (Rat) |
| LD50 dermal rabbit | 5000 mg/kg (Rabbit) |
| ATE CLP (oral) | 3200.000 mg/kg body weight |
| ATE CLP (dermal) | 5000.000 mg/kg body weight |

Skin corrosion/irritation : Causes skin irritation.
pH: 11.5 - 12.5

Serious eye damage/irritation : Causes serious eye irritation.
pH: 11.5 - 12.5

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Small amounts of liquid aspirated into the respiratory system during ingestion/vomiting may cause bronchopneumonia or pulmonary edema. Dermatitis. Allergic skin rash. skin irritation. Redness, pain.

Symptoms/injuries after inhalation : None under normal use.

Symptoms/injuries after skin contact : Dermatitis. Skin rash/inflammation. Irritation. Red skin. May cause an allergic skin reaction. Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--------------------------------|
| pine oils (8002-09-3) | |
| LC50 fish 1 | 10 - 100 mg/l (96 h; Pisces) |
| LC50 other aquatic organisms 1 | 10 - 100 mg/l (96 h) |
| Threshold limit other aquatic organisms 1 | 1.2 mg/l (48 h; Daphnia magna) |
| Threshold limit algae 1 | 2 mg/l (72 h; Cyanophyta) |

12.2. Persistence and degradability

| | |
|-------------------------------|---|
| pine oils (8002-09-3) | |
| Persistence and degradability | Biodegradability in water: no data available. |

12.3. Bioaccumulative potential

| | |
|---------------------------|----------------------|
| pine oils (8002-09-3) | |
| Bioaccumulative potential | Not bioaccumulative. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : Dispose of contents/container to comply with local/regional/national/international regulations. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. After recovery of solvent dispose of residue as hazardous waste.
- Additional information : Containers, or internal liners coming from a container, having contained this product are also considered as hazardous wastes. This material and its container must be disposed of in a safe manner. Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. Handle unclean empty containers as full ones.

SECTION 14: Transport information

Department of Transportation (DOT)

- Transport document description : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1
- UN-No.(DOT) : UN1950
- Proper Shipping Name (DOT) : Aerosols
flammable, (each not exceeding 1 L capacity)
- Transport hazard class(es) (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115
- Hazard labels (DOT) : 2.1 - Flammable gas



- DOT Packaging Non Bulk (49 CFR 173.xxx) : None
- DOT Packaging Bulk (49 CFR 173.xxx) : None
- DOT Special Provisions (49 CFR 172.102) : N82
- DOT Packaging Exceptions (49 CFR 173.xxx) : 306
- DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
- DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
- DOT Vessel Stowage Location : A
- DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

- Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR

No additional information available

Transport by sea

- UN-No. (IMDG) : UN1950
- Proper Shipping Name (IMDG) : Aerosols
- Class (IMDG) : 2.1 - Flammable gases

Air transport

- UN-No.(IATA) : UN1950
- Proper Shipping Name (IATA) : Aerosols, flammable
- Class (IATA) : 2.1 - Gases : Flammable

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|--|------------------|------------|
| 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve | CAS No 111-76-2 | 20 - 40 |
| ammonia, anhydrous | CAS No 7664-41-7 | 0.1 - 1 |
| ethanediol, ethylene glycol | CAS No 107-21-1 | 0.1 - 1 |
| 1,4-dioxane | CAS No 123-91-1 | 0.01 - 0.1 |
| ethylene oxide, oxirane | CAS No 75-21-8 | 0.01 - 0.1 |

| | | |
|---|--|--|
| propane (74-98-6) | | |
| Not listed on SARA Section 313 (Specific toxic chemical listings) | | |

| | | |
|---|--|--|
| butane (106-97-8) | | |
| Not listed on SARA Section 313 (Specific toxic chemical listings) | | |

| | | |
|---|--|--|
| ammonia, anhydrous (7664-41-7) | | |
| Listed on SARA Section 313 (Specific toxic chemical listings) | | |

| | |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 1000 lb |
| SARA Section 302 Threshold Planning Quantity (TPQ) | 500 lb |

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

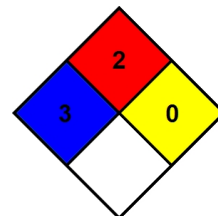
| | |
|---------------------------|--|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Compressed gas | Gases under pressure Compressed gas |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Aerosol 1 | Flammable aerosol Category 1 |
| Flam. Gas 1 | Flammable gases Category 1 |
| Flam. Gas 2 | Flammable gases Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| Skin Sens. 1A | Skin sensitization Category 1A |
| H220 | Extremely flammable gas |
| H221 | Flammable gas |
| H222 | Extremely flammable aerosol |
| H226 | Flammable liquid and vapor |
| H280 | Contains gas under pressure; may explode if heated |
| H304 | May be fatal if swallowed and enters airways |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |

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NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.