SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: Through the Roof! Cartridge Grade Lower VOC
Product code: Not available

1.2. Recommended use and restrictions on use
Recommended use: Caulking
This SDS is designed for workplace employees, emergency personnel and for other situations where there is potential for large-scale or prolonged exposure, in accordance with the OSHA requirements. This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label, SDS or both in accordance with applicable government regulations.

1.3. Supplier
Sashco Inc
10300 E. 107th Place
Brighton, CO 80601 - USA
T 303-286-7271
info@sashco.com

1.4. Emergency telephone number
Emergency number: 800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS US classification
Flam. Liq. 2
Skin Sens. 1

2.2. GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US):

Signal word (GHS US): Danger
Hazard statements (GHS US):
Highly flammable liquid and vapour
May cause an allergic skin reaction
Precautionary statements (GHS US):
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical, lighting, ventilating equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust, fume, gas, mist, spray, vapors.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye protection, face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable
SECTION 3: Composition/Information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, petroleum, hydrotreated light</td>
<td>(CAS No.)  64742-49-0</td>
<td>20 - 30</td>
</tr>
<tr>
<td>Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate</td>
<td>(CAS No.)  41556-26-7</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: May cause irritation to the respiratory tract.

Symptoms/effects after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Symptoms/effects after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry chemical. Carbon dioxide (CO2). Alcohol resistant foam.

Unsuitable extinguishing media: Water spray may be ineffective.

5.2. Specific hazards arising from the chemical

Fire hazard: Highly flammable liquid and vapour. Products of combustion may include and are not limited to: oxides of carbon. May release flammable gases.

Explosion hazard: May form flammable/explosive vapor-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Cool closed containers exposed to fire with water.

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Use only non-sparking tools. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
No additional information available
6.2. **Environmental precautions**

Prevent entry to sewers and public waters. Prevent further leakage or spillage. Keep away from drains, surface and ground-water and soil.

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

For containment:

- Dike and contain spill. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up:

- Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. **Reference to other sections**

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

- Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

- Precautions for safe handling:
  - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

- Hygiene measures:
  - Take off all contaminated clothing and wash its before reuse. Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

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

- Technical measures:
  - Proper grounding procedures to avoid static electricity should be followed.

- Storage conditions:

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Control parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, petroleum, hydrotreated light (64742-49-0)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. **Appropriate engineering controls**

- Appropriate engineering controls:
  - Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

- Environmental exposure controls:
  - Avoid release to the environment. Maintain levels below Community environmental protection thresholds.

8.3. **Individual protection measures/Personal protective equipment**

**Hand protection:**

Wear suitable gloves resistant to chemical penetration

**Eye protection:**

Safety glasses or goggles are recommended when using product.

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Other information:**

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear paste.</td>
</tr>
<tr>
<td>Color</td>
<td>Clear paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>48 °F / 8.9 °C [ASTM D-93]</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Highly flammable liquid and vapour.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>0.94 g/cm³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Immiscible.</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>235000 cP (@ 10 rpm / 25°C)</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, sparks and flames. Sources of ignition. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Naphtha, petroleum, hydrotreated light (64742-49-0)

LD50 oral rat: > 5000 mg/kg
Naphtha, petroleum, hydrotreated light (64742-49-0)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 3160 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>73680 ppm/4h</td>
</tr>
<tr>
<td>ATE US (gases)</td>
<td>73680 ppmV/4h</td>
</tr>
</tbody>
</table>

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>2615 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>2615 mg/kg body weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>250000 mm²/s</td>
</tr>
<tr>
<td>Symptoms/effects after inhalation</td>
<td>May cause irritation to the respiratory tract.</td>
</tr>
<tr>
<td>Symptoms/effects after skin contact</td>
<td>May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Symptoms/effects after eye contact</td>
<td>May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.</td>
</tr>
<tr>
<td>Symptoms/effects after ingestion</td>
<td>May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.</td>
</tr>
<tr>
<td>Other information</td>
<td>Likely routes of exposure: ingestion, inhalation, skin and eye.</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, petroleum, hydrotreated light (64742-49-0)</td>
<td>LC50 fish 1 8.41 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static, closed])</td>
</tr>
<tr>
<td>Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)</td>
<td>LC50 fish 1 0.97 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
UN-No.(DOT) : UN1133
Through the Roof! Cartridge Grade Lower VOC
Safety Data Sheet

Proper Shipping Name (DOT) : Adhesives
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : III (As per 173.121(b) exemption)
Hazard labels (DOT) :

Transport by sea
Transport document description (IMDG) : UN 1133 ADHESIVES, 3, III
UN-No. (IMDG) : 1133
Proper Shipping Name (IMDG) : ADHESIVES
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : III - substances presenting low danger
Limited quantities (IMDG) : 5 L

Air transport
Transport document description (IATA) : UN 1133 Adhesives, 3, III
UN-No. (IATA) : 1133
Proper Shipping Name (IATA) : Adhesives
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger

Proper Shipping Name (DOT) : Consumer commodity
Class (DOT) : ORM-D - ORM-D – Other regulated materials for domestic transport only
Hazard labels (DOT) LTD QTY - Limited quantity :

SECTION 15: Regulatory information
15.1. US Federal regulations
No additional information available.

15.2. International regulations
No additional information available

15.3. US State regulations
WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SECTION 16: Other information
Date of issue : 02/28/2018
Revision date : 12/24/2019
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com
**Through the Roof! Cartridge Grade Lower VOC**

Safety Data Sheet


<table>
<thead>
<tr>
<th>NFPA health hazard</th>
<th>: 1 - Materials that, under emergency conditions, can cause significant irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA fire hazard</td>
<td>: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.</td>
</tr>
<tr>
<td>NFPA reactivity</td>
<td>: 0 - Material that in themselves are normally stable, even under fire conditions.</td>
</tr>
</tbody>
</table>

**Health**

1 Slight Hazard - No significant risk to health.

**Flammability**

3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 °F and boiling points above 100 °F, as well as liquids with flash points between 73 °F and 100 °F. (Classes IB & IC)

**Physical**

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

**Personal protection**

B - Safety glasses, Gloves

**Disclaimer:** We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.