Product Safety Data Sheet
Remove™ without BHA Bottles

Approvals

Author Name: Elizabeth Stutzmann
Signature Date/Time: 03 JAN 2019 15:08 UTC
Global Date/Time: 03 JAN 2019 15:08 UTC
Representation: Author Signature
Signature Reason: Document Management: Status Change

Signatory Name: Paul Sewell
Signature Date/Time: 03 JAN 2019 16:10 UK
Global Date/Time: 03 JAN 2019 16:10 UTC
Representation: Engineering Signature
Signature Reason: Document Management: Status Change

Signatory Name: Jennifer Tutt
Signature Date/Time: 03 JAN 2019 20:33 UTC
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Representation: Additional Signature
Signature Reason: Document Management: Status Change

Document Number: 2009238
Document Version: 02
Document Part: 000
Document Status: Released
1a) PRODUCT NAME(S):
   Product Identity          Remove™ without BHA Bottles

1b) INTENDED USE(S):
   Intended use            Topical adhesive remover
   Application Method      See Technical Data Sheet

1c) Details of Supplier of the Product Safety Data Sheet:
Compliance & Regulatory Department
Smith & Nephew Healthcare
Healthcare House
101 Hessle Road
Hull
HU3 2BN
Telephone: 01482 222200
Fax: 01482 222211
Email Address: Advice.Healthcare@smith-nephew.com

2. HAZARD INFORMATION:
Classification of the substance or mixture
Flam. Liq. 3;H226          Flammable liquid and vapor.

Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H226 Flammable liquid and vapor.

[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe mist / vapors / spray.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P331 Do NOT induce vomiting.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:
This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2-methoxymethylethoxy)propanol</td>
<td>50-75</td>
<td>Not Classified</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0034590-94-8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrotreated heavy naphtha (petroleum)</td>
<td>25 - 50</td>
<td>Asp. Tox. 1;H304</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0064742-48-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aloe Vera, ext.</td>
<td>1.0 - 10</td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0085507-69-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

4. FIRST AID: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

a) Inhalation
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

b) Contact with skin
Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

c) Contact with eyes
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

d) Ingestion
If victim is conscious, give water or a few ounces of USP white mineral oil, but do not induce vomiting. Contact a physician immediately.

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

Overview

POTENTIAL HEALTH EFFECTS
5. FIRE AND EMERGENCY MEASURES:
5.1. Extinguishing media
Water spray or fog, carbon dioxide, foam, dry chemical

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: Oxides of carbon & partially oxidized hydrocarbons
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep cool.
Ground / bond container and receiving equipment.
Use explosion-proof electrical / ventilating / light / equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe mist / vapors / spray.
Do not get in eyes, on skin, or on clothing.

5.3. Advice for fire-fighters
Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.
Self-Contained Breathing Apparatus and protective clothing should be worn.
Water spray can be used to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES:
6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Mop or wipe up small spills. Ventilate area.
Dike large spills to minimize contamination and contain material. Remove all sources of heat and ignition.
Absorb with sand or vermiculite. Ventilate area to dissipate vapors.
Eliminate ignition sources. Soak up with noncombustible absorbent material. Remove absorbent material for proper disposal.

7. HANDLING AND STORAGE PRECAUTIONS:
7.1. Precautions for safe handling
Avoid prolonged skin and eye contact. Avoid breathing vapors.
7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.
Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.
Incompatible materials: Strong acids, alkalis, and oxidizers such as liquid chlorine, halogens, hydrogen peroxide, oxygen.
Store in a cool (≤ 77°F / 25°C), dry, well-ventilated area away from strong oxidizing agents, sources of heat, sparks, and open flames.

See section 2 for further details.

7.3. Specific end use(s)
No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0034590-94-8</td>
<td>(2-methoxymethylethoxy)propanol</td>
<td>OSHA</td>
<td>TWA 100 ppm (600 mg/m³) [skin]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 100 ppm STEL: 150 ppm Skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 100 ppm (600 mg/m³) ST 150 ppm (900 mg/m³) [skin]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0064742-48-9</td>
<td>Hydrotreated heavy naphtha (petroleum)</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td>0085507-69-3</td>
<td>Aloe Vera, ext.</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
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<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0034590-94-8</td>
<td>(2-methoxymethylethoxy)propanol</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0064742-48-9</td>
<td>Hydrotreated heavy naphtha (petroleum)</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0085507-69-3</td>
<td>Aloe Vera, ext.</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

**Respiratory**
When working with small quantities in a well-ventilated area, respiratory protection may not be required.

**Eyes**
None required for normal use.

**Skin**
When working with small quantities in a well-ventilated area, protective clothing/equipment may not be required. Wear nitrile or similar chemical resistant gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

**Engineering Controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices**
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

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9. PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, Colorless Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight Paraffinic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>3.8 @ 20°C</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 350°F / &gt; 177°C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>114°F / 45.6°C TCC</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>&lt; 1 (nBuAc = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td><strong>Lower Explosive Limit</strong>: 0.6</td>
</tr>
<tr>
<td></td>
<td><strong>Upper Explosive Limit</strong>: 6.5</td>
</tr>
<tr>
<td>Vapor pressure (Pa)</td>
<td>&lt; 10 mmHg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&gt; 1 (Air = 1)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.83 @ 25°C (H₂O = 1)</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Appreciable</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Kow)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (cSt)</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC Content</td>
<td>Not available</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.416 @ 25°C</td>
</tr>
</tbody>
</table>

9.2. Other information
No other relevant information.
10. STABILITY AND REACTIVITY:

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Excessive heat and open flame.

10.5. Incompatible materials
Strong acids, alkalis, and oxidizers such as liquid chlorine, halogens, hydrogen peroxide, oxygen.

10.6. Hazardous decomposition products
Oxides of carbon & partially oxidized hydrocarbons

11. TOXICOLOGICAL INFORMATION:

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2-methoxymethylethoxy)propanol - (34590-94-8)</td>
<td>3,500.00, Rat - Category: 5</td>
<td>19,000.00, Rabbit - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Hydrotreated heavy naphtha (petroleum) - (64742-48-9)</td>
<td>5,000.00, Rat - Category: 5</td>
<td>3,160.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Aloe Vera, ext. - (85507-69-3)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).
12. ECOLOGICAL INFORMATION:

12.1. Toxicity
Toxic to aquatic life

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2-methoxymethylethoxy)propanol - (34590-94-8)</td>
<td>10,000.00, Pimephales promelas</td>
<td>1,919.00, Daphnia magna</td>
<td>969.00 (72 hr), Algae</td>
</tr>
<tr>
<td>Hydro treated heavy naphtha (petroleum) - (64742-48-9)</td>
<td>2,200.00, Pimephales promelas</td>
<td>2.60, Chaetogammarus marinus</td>
<td>Not Available</td>
</tr>
<tr>
<td>Aloe Vera, ext. - (85507-69-3)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.
13. DISPOSAL CONSIDERATIONS:
13.1. Waste treatment methods
   1. Observe all federal, state and local regulations when disposing of this substance.

14. TRANSPORT INFORMATION:
   Notes:
   1. May qualify for transportation under ‘Limited Quantities’ and/or ‘Excepted Quantities’ provisions. Consult applicable DOT, IMDG, IATA/ICAO regulations depending on transportation mode.
   2. May qualify for transportation under ‘Consumer Commodity ORM-D’ provisions. Consult applicable DOT, IMDG, IATA/ICAO regulations depending on transportation mode.

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN1993</td>
<td>UN1993</td>
<td>UN1993</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>UN1993, Flammable liquids n.o.s. (Dipropylene), 3, III</td>
<td>Flammable liquids, n.o.s. (Dipropylene)</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>DOT Hazard Class: 3</td>
<td>IMDG: 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sub Class: Not Applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>III</td>
<td>III</td>
</tr>
</tbody>
</table>

14.5. Environmental hazards
   IMDG: Marine Pollutant: No

14.6. Special precautions for user
   No further information

15. REGULATORY INFORMATION:
   Regulatory Overview
   The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

   Toxic Substance Control Act (TSCA)
   All components of this material are either listed or exempt from listing on the TSCA Inventory.

   WHMIS Classification: B3

   US EPA Tier II Hazards
   Fire: Yes
   Sudden Release of Pressure: No
   Reactive: No
   Immediate (Acute): No
   Delayed (Chronic): No

   EPCRA 311/312 Chemicals and RQs:
   To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

   EPCRA 302 Extremely Hazardous:
   To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

   EPCRA 313 Toxic Chemicals:
   (2-methoxymethylethoxy)propanol

   Proposition 65 - Carcinogens (>0.0%):
   Benzene
Ethyl Benzene
Naphthalene

**Proposition 65 - Developmental Toxins (>0.0%):**
Benzene

**Proposition 65 - Female Repro Toxins (>0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**
Benzene

**New Jersey RTK Substances (>1%):**
(2-methoxymethylethoxy)propanol

**Pennsylvania RTK Substances (>1%):**
(2-methoxymethylethoxy)propanol

16. ADDITIONAL INFORMATION:
The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H304 May be fatal if swallowed and enters airways.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

17a) REFERENCE NUMBER

17b) DATE OF ISSUE

03 January 2019

This information is provided in accordance with the requirements of the UK Health and Safety at Work Act 1974, and specifically in order to assist users of the product to make their ‘assessment of health risks’ as required by the UK Control of Substances Hazardous to Health Regulation 2002 (COSHH assessments). Provision of this information does not preclude users from seeking advice from other sources as indicated in the COSHH guides. The information is intended to cover potential hazards at the place of work and does not detail medical uses, indications, contraindications and precautions for the treatment of patient.

REASON FOR CHANGE

<table>
<thead>
<tr>
<th>Document Version</th>
<th>Section/Paragraph Changed</th>
<th>Change Made</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>New issue</td>
<td>Document transferred from S &amp; N Inc.SDSUM00570 as part of project Peterworth CCA2832</td>
<td>06/08/15</td>
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</table>
Document updated to match new format.

Document Number: 2009238
Document Part: 000
Document Version: 02
Document Status: Released

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RE-VERIFICATION OF DOCUMENT SUITABILITY

The normal expiry date/time for a printed non-controlled document is 06:00 on the day after the date the document was printed. If such a document is required for more than one day, rather than print a new copy each day, the existing printout can be manually compared to the electronic copy. If it is the same version, you may sign and date the following agreement for each additional day:

“I have compared this paper copy to the original electronic copy on the date shown below and certify that both are the same version number”

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<th>Signature</th>
<th>Date</th>
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Plant Number(s):
None

Product Code(s):
403300, 403379 CANADA

*** END OF DOCUMENT ***