1. Identification

1.1. Product identifier

Product Identity: UniSolve® Wipes
Alternate Names: UniSolve® Wipes

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: Topical adhesive remover
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name: Smith & Nephew
970 Lake Carillon Drive, Suite 110
St. Petersburg, FL 33716

Emergency Customer Service: Smith & Nephew
1-800-876-1261

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Liq. 2;H225: Highly Flammable liquid and vapor.
Eye Irrit. 2;H319: Causes serious eye irritation.
STOT SE 3;H336: May cause drowsiness or dizziness.

2.2. Label elements

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

Danger

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.

[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.
Safety Data Sheet
UniSolve® Wipes

P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
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.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P331 Do NOT induce vomiting.
P337+313 If eye irritation persists: Get medical advice / attention.
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P405 Store locked up.

[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>Isopropyl Alcohol</td>
<td></td>
<td>Flam. Liq. 2;H225</td>
<td></td>
</tr>
<tr>
<td>CAS Number: 0000067-63-0</td>
<td>25 - 50</td>
<td>Eye Irrit. 2;H319</td>
<td>[1]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STOT SE 3;H336</td>
<td>[2]</td>
</tr>
<tr>
<td>Hydrotreated heavy naphtha (petroleum)</td>
<td></td>
<td>Asp. Tox. 1;H304</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0064742-48-9</td>
<td>25 - 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2-methoxymethylethoxy)propanol</td>
<td></td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0034590-94-8</td>
<td>25 - 50</td>
<td></td>
<td>[2]</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 measures

4.1. Description of first aid measures

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

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.

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

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

Ingestion Do not induce vomiting. Contact the poison control center or a physician immediately for instructions.

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

Overview Primary Entry Routes: Inhalation, Eyes, Skin, Ingestion
Target Organs: Kidney
Acute Effects Inhalation: Upper respiratory tract irritation, asthma-like conditions.
Eye: Irritation, stinging, redness and swelling. Soft contact lens may concentrate irritants.
Skin: Redness, drying, & cracking.
Ingestion: Gastrointestinal irritation, dizziness, low blood pressure, & kidney damage.
Carcinogenicity: This material is not known to have carcinogenic properties.
Medical Conditions Aggravated by Long-Term Exposure: Eye or skin irritation, respiratory conditions.
Chronic Effects: None Known

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.

See section 2 for further details.

Inhalation May cause drowsiness or dizziness.
Eyes Causes serious eye irritation.

5. Fire-fighting 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, 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.
Avoid breathing dust / fume / gas / 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.
Wear self-contained breathing apparatus and protective clothing.
Do not release runoff from fire control methods to sewers or waterways.

ERG Guide No. 133

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
Absorb small spills on vermiculite.
Dike large spills to minimize contamination and contain material. Eliminate ignition sources. Stop source of spill.
Pump spilled liquid into clean container.
Eliminate ignition sources. Soak up with noncombustible absorbent material. Remove absorbent material for proper disposal.

7. Handling and storage

7.1. Precautions for safe handling
Avoid prolonged skin contact. Wash thoroughly after handling. Do not get into eyes. Do not swallow.
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
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. - [Storage]:
7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Exposure</th>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0000067-63-0</td>
<td>Isopropyl Alcohol</td>
<td>OSHA</td>
<td>TWA 400 ppm (980 mg/m³) STEL 500 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 200 ppm STEL: 400 ppm Revised 2003,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 400 ppm (980 mg/m³) ST 500 ppm (1225 mg/m³)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<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></td>
<td>ACGIH</td>
<td>TWA: 100 ppm STEL: 150 ppm Skin</td>
</tr>
<tr>
<td></td>
<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></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<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></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000067-63-0</td>
<td>Isopropyl Alcohol</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td>NTP</td>
<td>Know n: No; Suspected: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0034590-94-8</td>
<td>(2-methoxymethylethoxy)propanol</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td>NTP</td>
<td>Know n: No; Suspected: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
<td></td>
<td></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>NTP</td>
<td>Know n: No; Suspected: No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory None required for normal use.
Eyes None required for normal use.
Skin None required for normal use.
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]:

### 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>Fruity</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>169°F / 76°C</td>
</tr>
<tr>
<td>Flash Point</td>
<td>63°F / 17°C TCC</td>
</tr>
<tr>
<td>Evaporation rate (Ether = 1)</td>
<td>1.149 (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>Lower Explosive Limit: Not determined</td>
</tr>
<tr>
<td></td>
<td>Upper Explosive Limit: Not determined</td>
</tr>
<tr>
<td>Vapor pressure (Pa)</td>
<td>10 mmHg @ 20°C</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.81 @ 25°C (H₂O = 1)</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Partly Miscible</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Kow)</td>
<td>Not Measured</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 determined</td>
</tr>
<tr>
<td>VOC Content</td>
<td>Not available</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.403 @ 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

Avoid excessive heat, open flames and all ignition sources.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products
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>Isopropyl Alcohol - (67-63-0)</td>
<td>4,710.00, Rat -</td>
<td>12,800.00, Rat -</td>
<td>72.60, Rat -</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td></td>
<td>Category: 5</td>
<td>Category: NA</td>
<td>Category: NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrotreated heavy naphtha (petroleum) - (64742-48-9)</td>
<td>5,000.00, Rat -</td>
<td>3,160.00, Rabbit -</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td></td>
<td>Category: 5</td>
<td>Category: 5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(2-methoxymethylethoxy)propanol - (34590-94-8)</td>
<td>3,500.00, Rat -</td>
<td>19,000.00, Rabbit</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td></td>
<td>Category: 5</td>
<td>Category: NA</td>
<td></td>
<td></td>
<td></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).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>2</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>3</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
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>Isopropyl Alcohol - (67-63-0)</td>
<td>1,400.00, Lepomis macrochirus</td>
<td>100.00, Daphnia magna</td>
<td>100.00 (72 hr), Scenedesmus subspicatus</td>
</tr>
<tr>
<td>Hydrotreated 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>(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>
</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
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

Notes:
Not Subject to Regulations Per:

Air: IATA Special Provision A46
Ground: 49 CFR 172.102 Special Provision 47
Ocean: IMDG Special Provision 216

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>UN3175</td>
<td>UN3175</td>
</tr>
</tbody>
</table>

SDSUM00560  Page 8 of 10  Revision H
14.2. UN proper shipping name
UN3175, Solids containing flammable liquid, n.o.s., (Isopropyl Alcohol), 4.1, II
Solids containing flammable liquid, n.o.s., (Isopropyl Alcohol)
Solids containing flammable liquid, n.o.s., (Isopropyl Alcohol)

14.3. Transport hazard class(es)
DOT Hazard Class: 4.1
IMDG: 4.1
Air Class: 4.1
Sub Class: Not Applicable
II
II

14.4. Packing group
II
II

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 B2 D2B

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

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

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

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%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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

Pennsylvania RTK Substances (>1%):
16. Other 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:

H225 Highly flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.

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

End of Document