1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name: VUPLEX PLASTIC CLEANER, PROTECTANT & POLISH

1.2 Uses and uses advised against

Use(s): CLEANING AGENT ● POLISHING AGENT

1.3 Details of the supplier of the product

Supplier name: VUPLEX GROUP PTY LTD
Address: 5 Diane Court, Somerville, VIC, 3912, AUSTRALIA
Telephone: 03 5977 9575
Fax: 03 5977 9585
Email: info@vuplex.co

1.4 Emergency telephone number(s)

Emergency: 0411 553 077

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS classification(s): Aerosols - Flammable: Category 1
Skin Sensitisation: Category 1
Specific Target Organ Systemic Toxicity (Single Exposure): Category 3
Toxic to Reproduction: Category 2
Aquatic Toxicity (Chronic): Category 2

2.2 Label elements

Signal word: DANGER

Pictogram(s): [Images of hazard symbols]

Hazard statement(s):
H222: Extremely flammable aerosol.
H317: May cause an allergic skin reaction.
H336: May cause drowsiness or dizziness.
H361: Suspected of damaging fertility or the unborn child.
H411: Toxic to aquatic life with long lasting effects.
Prevention statement(s)
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- 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.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response statement(s)
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P308 + P313: IF exposed or concerned: Get medical advice/attention.
- P321: Specific treatment is advised - see first aid instructions.
- P363: Wash contaminated clothing before reuse.
- P391: Collect spillage.

Storage statement(s)
- P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.
- P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Disposal statement(s)
- P501: Dispose of contents/container in accordance with relevant regulations.

2.3 Other hazards
No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED LIGHT NAPHTHA (PETROLEUM)</td>
<td>64742-49-0</td>
<td>265-151-9</td>
<td>20 to 30%</td>
</tr>
<tr>
<td>D-LIMONENE</td>
<td>5989-27-5</td>
<td>227-813-5</td>
<td>1 to 5%</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOBUTYL ETHER</td>
<td>112-34-5</td>
<td>203-961-6</td>
<td>&lt;0.5%</td>
</tr>
<tr>
<td>NON HAZARDOUS INGREDIENTS</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Remainder</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye
If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation
If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

Skin
If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion
For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.

First aid facilities
None allocated.

4.2 Most important symptoms and effects, both acute and delayed
See Section 11 for more detailed information on health effects and symptoms.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES
5.1 **Extinguishing media**
Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

5.2 **Special hazards arising from the substance or mixture**
Highly flammable aerosol. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Aerosol may explode at temperatures exceeding 50°C. Eliminate all ignition sources, including cigarettes, open flames, spark producing switches/tools, heaters, pilot lights, mobile phones, etc when handling. Aerosol cans may explode above 50°C.

5.3 **Advice for firefighters**
Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 **Hazchem code**
2YE
2 Fine Water Spray.
Y Risk of violent reaction or explosion. Wear full fire kit and breathing apparatus. Contain spill and run-off.
E Evacuation of people in and around the immediate vicinity of the incident should be considered.

6. **ACCIDENTAL RELEASE MEASURES**

6.1 **Personal precautions, protective equipment and emergency procedures**
Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

6.2 **Environmental precautions**
Prevent product from entering drains and waterways.

6.3 **Methods of cleaning up**
Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 **Reference to other sections**
See Sections 8 and 13 for exposure controls and disposal.

7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 **Conditions for safe storage, including any incompatibilities**
Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

7.3 **Specific end use(s)**
No information provided.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1 **Control parameters**

8.1.1 **Exposure standards**
No exposure standards have been entered for this product.

8.1.2 **Biological limits**
No biological limit values have been entered for this product.

8.2 **Exposure controls**

8.2.1 **Engineering controls**
Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.
**PPE**

**Eye / Face**  
Wear splash-proof goggles.

**Hands**  
Wear nitrile or neoprene gloves.

**Body**  
When using large quantities or where heavy contamination is likely, wear coveralls.

**Respiratory**  
At high vapour levels, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator.

---

### 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><strong>Appearance</strong></td>
<td>CREAM TO YELLOW LIQUID (AEROSOL DISPENSED)</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>SPEARMINT/LEMON ODOUR</td>
</tr>
<tr>
<td><strong>Flammability</strong></td>
<td>HIGHLY FLAMMABLE</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>-12°C</td>
</tr>
<tr>
<td><strong>Boiling point</strong></td>
<td>88°C (without propellant)</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>8.4 (Butyl acetate = 1) (without propellant)</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>6.6</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Specific gravity</strong></td>
<td>0.91</td>
</tr>
<tr>
<td><strong>Solubility (water)</strong></td>
<td>INSOLUBLE</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Upper explosion limit</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Lower explosion limit</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>&gt; 230°C</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>100 cSt @ 40°C</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

---

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

#### 10.2 Chemical stability

No information provided.

#### 10.3 Possibility of hazardous reactions

No information provided.

#### 10.4 Conditions to avoid

No information provided.

#### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

#### 10.6 Hazardous decomposition products

May evolve carbon oxides and hydrocarbons when heated to decomposition.

---

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects
Acute toxicity

Based on available data, the classification criteria are not met. Inhalation may cause headache, nausea and respiratory tract irritation.

Information available for the ingredient(s):

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral Toxicity (LD50)</th>
<th>Dermal Toxicity (LD50)</th>
<th>Inhalation Toxicity (LC50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-LIMONENE</td>
<td>4400 mg/kg (rat)</td>
<td>&gt; 5 gm/kg (rabbit)</td>
<td>--</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOBUTYL ETHER</td>
<td>4500 mg/kg (rat)</td>
<td>2700 mg/kg (rabbit)</td>
<td>--</td>
</tr>
</tbody>
</table>

Skin
Contact may result in drying and defatting of the skin, rash and dermatitis.

Eye
Contact may result in irritation, lacrimation, pain and redness.

Sensitisation
May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser.

Mutagenicity
Not classified as a mutagen.

Carcinogenicity
Not classified as a carcinogen.

Reproductive
Suspected of damaging fertility.

STOT – single exposure
Over exposure may result in irritation of the nose and throat, coughing and headache. High level exposure may result in nausea, dizziness and drowsiness.

STOT - repeated exposure
Not classified as causing organ damage from repeated exposure.

Aspiration
Not classified as causing aspiration.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Other adverse effects
No information provided.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal
For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required).

Legislation
Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE
PRODUCT NAME  VUPLEX PLASTIC CLEANER, PROTECTANT & POLISH

<table>
<thead>
<tr>
<th>14.1 UN Number</th>
<th>LAND TRANSPORT (ADG)</th>
<th>SEA TRANSPORT (IMDG / IMO)</th>
<th>AIR TRANSPORT (IATA / ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 Proper Shipping Name</td>
<td>AEROSOLS</td>
<td>AEROSOLS</td>
<td>AEROSOLS</td>
</tr>
<tr>
<td>14.3 Transport hazard class</td>
<td>2.1</td>
<td>2.1</td>
<td>2.1</td>
</tr>
<tr>
<td>14.4 Packing Group</td>
<td>None allocated.</td>
<td>None allocated.</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards
Marine Pollutant

14.6 Special precautions for user

<table>
<thead>
<tr>
<th>Hazchem code</th>
<th>GTEPG</th>
<th>EMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2YE</td>
<td>2D1</td>
<td>F-D, S-U</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Poison schedule
A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications
Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

Hazard codes
F+  Extremely flammable
N  Dangerous for the environment
Repr.  Reproductive toxin
Xi  Irritant
Xn  Harmful

Risk phrases
R12  Extremely Flammable.
R43  May cause sensitisation by skin contact.
R51/53  Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R62  Possible risk of impaired fertility.
R67  Vapours may cause drowsiness and dizziness.

Safety phrases
S16  Keep away from sources of ignition - No smoking.
S23  Do not breathe gas/fumes/vapour/spray (where applicable).
S24/25  Avoid contact with skin and eyes.
S37  Wear suitable gloves.
S51  Use only in well ventilated areas.

Inventory listing(s)
AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information
EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

AEROSOL CANS may explode at temperatures approaching 50°C.
WORK PRACTICES - SOLVENTS: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH American Conference of Governmental Industrial Hygienists  
CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds  
CNS Central Nervous System  
EC No. EC No - European Community Number  
EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)  
GHS Globally Harmonized System  
GTEPG Group Text Emergency Procedure Guide  
IARC International Agency for Research on Cancer  
LC50 Lethal Concentration, 50% / Median Lethal Concentration  
LD50 Lethal Dose, 50% / Median Lethal Dose  
mg/m³ Milligrams per Cubic Metre  
OEL Occupational Exposure Limit  
ph relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm Parts Per Million  
STEL Short-Term Exposure Limit  
STOT-RE Specific target organ toxicity (repeated exposure)  
STOT-SE Specific target organ toxicity (single exposure)  
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons  
SWA Safe Work Australia  
TLV Threshold Limit Value  
TWA Time Weighted Average

Report status
This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet (‘SDS’).

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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[ End of SDS ]