SAFETY DATA SHEET
K014 - GRAFFITI REMOVER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: K014 - GRAFFITI REMOVER
PART No.: 645
SUPPLIER: Selden Research Limited
Ashbourne Road
Buxton
Derbyshire. SK17 9RZ
Tel: 01298 26226
Fax: 01298 26540

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>EINECS Nr.:</th>
<th>CAS No.:</th>
<th>CONTENT</th>
<th>CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTANE</td>
<td>203-448-7</td>
<td>106-97-8</td>
<td>5-10 %</td>
<td>F+ R-12</td>
</tr>
<tr>
<td>N-METHYL-2-PYRROLIDONE</td>
<td>212-828-1</td>
<td>872-50-4</td>
<td>30-60 %</td>
<td>Xi R-36/38</td>
</tr>
<tr>
<td>2-(2-BUTOXYETHOXY)ETHANOL</td>
<td>203-961-6</td>
<td>112-34-5</td>
<td>10-30 %</td>
<td>Xi R-36</td>
</tr>
<tr>
<td>ALCOHOL ETHOXYLATE SURFACTANT</td>
<td>200-827-9</td>
<td>74-98-6</td>
<td>5-10 %</td>
<td>Xi R-38, 41</td>
</tr>
<tr>
<td>PROPANE</td>
<td>200-827-9</td>
<td>74-98-6</td>
<td>10-30 %</td>
<td>F+ R-12</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION

Extremely flammable. Irritating to eyes and skin.

PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. For breathing difficulties oxygen may be necessary.

INGESTION: Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

SKIN: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYES: Spray in the eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**
Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES:**
Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**
Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES

**PRECAUTIONS TO PROTECT ENVIRONMENT:**
Any spillage needs to be contained and not allowed to enter water courses.

**SPILL CLEANUP METHODS:**
Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. If leakage cannot be stopped, evacuate area.

7. HANDLING AND STORAGE

**USAGE PRECAUTIONS:**
Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**STORAGE PRECAUTIONS:**
Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS No.</th>
<th>STD</th>
<th>LT EXP 8 Hrs</th>
<th>ST EXP 15 Min</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPANE</td>
<td>74-98-6</td>
<td>STD</td>
<td>Asphyxiating</td>
<td>Asphyxiating</td>
</tr>
<tr>
<td>BUTANE</td>
<td>106-97-8</td>
<td>OES</td>
<td>600 ppm</td>
<td>750 ppm</td>
</tr>
<tr>
<td>N-METHYL-2-PYRROLIDONE</td>
<td>872-50-4</td>
<td>OES</td>
<td>25 ppm(Sk)</td>
<td>75 ppm(Sk)</td>
</tr>
</tbody>
</table>

**INGREDIENT COMMENTS:**
OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

**PROTECTIVE EQUIPMENT:**

<table>
<thead>
<tr>
<th>VENTILATION:</th>
<th>Provide adequate general and local exhaust ventilation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESPIRATORS:</td>
<td>No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Use chemical cartridge protection with appropriate cartridge.</td>
</tr>
<tr>
<td>PROTECTIVE GLOVES:</td>
<td>Use protective gloves.</td>
</tr>
<tr>
<td>EYE PROTECTION:</td>
<td>Wear approved chemical safety goggles where eye exposure is reasonably probable.</td>
</tr>
<tr>
<td>OTHER PROTECTION:</td>
<td>Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.</td>
</tr>
<tr>
<td>HYGIENIC WORK PRACTICES:</td>
<td>DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY

STABILITY: Normally stable.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.


11. TOXICOLOGICAL INFORMATION

INHALATION: May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system.

SKIN: Prolonged or repeated exposure may cause severe irritation.

EYES: Irritation of eyes and mucous membranes.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not regarded as dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION

UK ROAD TRANSPORT CLASS: 2.1
ADR CLASS No.: 2.1
ADR CLASS: Class 2: Gases; Compressed, liquefied or dissolved under pressure.
ADR CLASSIFICATION CODE: 5F
PROPER SHIPPING NAME I: AEROSOLS
UN No. SEA: 1950
IMDG CLASS: 2.1
UN No., AIR: 1950
15. REGULATORY INFORMATION

LABEL FOR SUPPLY:

![Inflammable](image1)  ![Irritant](image2)

**RISK PHRASES:**

- R-12 Extremely flammable.
- R-36/38 Irritating to eyes and skin.

**SAFETY PHRASES:**

- S-16 Keep away from sources of ignition - No Smoking.
- S-2 Keep out of the reach of children.
- S-23 Do not breathe gas/fumes/vapour/spray.
- S-24/25 Avoid contact with skin and eyes.
- S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S-51 Use only in well-ventilated areas.

**STATUTORY INSTRUMENTS:**

- Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE:**

- Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES:**

- Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION

**USER NOTES:**

The following risk phrases relate to the raw materials in the product and not the product itself.

**REVISION DATE:**

June 2003

**REV. No./REPL. SDS GENERATED:**

9

**PRINTING DATE:**

2004-04-02

**R-PHRASES (Full Text):**

- R-12 Extremely flammable. R-36/38 Irritating to eyes and skin. R-36 Irritating to eyes.
- R-38 Irritating to skin. R-41 Risk of serious damage to eyes.