

# SAFETY DATA SHEET

Date: June 2002

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## 1. Identification of the substance/preparation and company

1.1 Product/trade name: **JIG TOOL & NOZZLE PROTECTOR SPRAY AEROSOL**

1.2 Name, address and telephone number of supplier:  
Sureweld International Ltd.  
Fonthill, Lucan, County Dublin

Tel: (01) 6266242  
Fax: (01) 6262533

## 2. Composition and information on ingredients.

2.1 Ingredients:					
C.A.S. No.	Substance	Percentage	Health	Risk	
67-64-1	Acetone	10%-30%	Xi	36, 66/67	
64-17-5	Ethanol	30%-60%			
74-98-6	Propane	10%-30%			
75-28-5	IsoButane	1% -5%			
106-97-8	Butane	5% -10%			

## 3. Hazards Identification.

3.1 Precautions : Extremely Flammable.

## 4. First Aid Measures.

- 4.1 Skin : Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if discomfort continues.
- 4.2 Eyes : Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye-lids. Continue to rinse for at least 15 minutes. Obtain medical advice.
- 4.3 Ingestion : DO NOT INDUCE VOMITING. Obtain medical attention immediately. Provide rest, warmth and fresh air.
- 4.4 Inhalation : Move the exposed person to Fresh air at once. Perform artificial respiration if the person has stopped breathing. When breathing is difficult, properly trained personnel may assist affected person by administering 100% pure oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

## 5. Fire Fighting Measures.

- 5.1 Suitable Extinguishing media : Foam, Dry Chemical Powder, Sand, Dolomite, Water Spray, fog or mist.
- 5.2 Special Fire Fighting measures : Containers close to Fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.
- 5.3 Unusual Fire & Explosion Hazards : Aerosol cans may explode in fires. Risk of explosion if heated.

<b>6. Accidental Release Measures.</b>
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- 6.1 Spill Cleanup Methods : Extinguish all sources of ignition. Avoid sparks, flames, heat and smoking. Ventilate the area. Wear necessary protective clothing. If leakage cannot be stopped, evacuate area.

<b>7. Handling and Storage.</b>
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- 7.1 Handling : Keep containers away from heat, sparks and open flame. If containers are ruptured, ventilate the area well, avoid breathing vapours.
- 7.2 Storage : Avoid exposing the container and/or packaging to temperatures in excess of 50°C. Keep in cool, dry ventilated storage and closed containers. Avoid exposing the container to direct sunlight or heat sources with a naked flame. Keep container closed until ready for use to avoid accidental content release. Do not smoke whilst using the product.
- 7.3 Advice for Fire and Explosion protection : Keep away from ignition sources or build up of heat. Do not smoke. Avoid exposing the container and/or packaging to temperatures in excess of 50°C.

<b>8. Exposure Controls and Personal Protection.</b>
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- |     |                    |   |   |     |                  |                  |
|-----|--------------------|---|---|-----|------------------|------------------|
| 8.1 | Ingredient name    | : | CAS No  | STD | LTEL<br>(8 Hrs.) | STEL<br>(15 min) |
|     | Acetone            |   | 67-64-1   | OES | 750ppm           | 1500ppm          |
|     | Ethanol            |   | 64-17-5   | OES | 1000ppm          | No Std.          |
|     | Propane            |   | 74-98-6   |     | Asphyxiating     | Asphyxiating     |
|     | IsoButane          |   | 75-28-5   | OES | 600ppm           | 600ppm           |
|     | Butane             |   | 106-97-8  | OES | 600ppm           | 600ppm           |
|     | Ingredient comment | : | OES = Occupational Exposure Standard<br>Ppm = parts per million |     |                  |                  |
- 8.2 Protective Gloves : No specific hand protection noted, but gloves may still be advisable.
- 8.3 Eye Protection : No specific eye protection noted but may be required anyway.
- 8.4 Ventilation : Must not be handled in confined areas without sufficient ventilation.
- 8.5 General protection and hygiene Measures : Wear appropriate clothing to prevent liquid contact and repeated or prolonged vapour contact.
- 8.6 Hygienic Work routines : DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. No eating or drinking whilst working with this material.

<b>9. Physical and Chemical Properties.</b>
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- 9.1 Appearance : Aerosol
- Colour : White
- Odour : Organic Solvents
- 9.2 Relevant Parameters:
- Flashpoint : -40 °C
- Flammability Limit (lower %) : 1.8
- Flammability Limit (upper %) : 15
- Solubility in water : Slightly soluble in water
- Autoignition temperature : 410 °C

**10. Stability and Reactivity.**

- 10.1 Stability : Under normal storage and working conditions the product is stable.
- 10.2 Conditions to avoid : Avoid Heat, Flames or other sources of ignition. Avoid Strong oxidizing agents, Strong Alkalis, Strong mineral acids.
- 10.3 Hazardous Decomposition : Fire creates Vapours/gases/fumes of:  
Carbon Monoxide (CO)  
Carbon Dioxide (CO<sub>2</sub>)

**11. Toxicological Information.**

- 11.1 Health Hazards : Prolonged and repeated skin contact with solvents over a long period may lead to permanent health problems. Harmful by Inhalation. May cause irritation to the respiratory system
- 11.2 Specific Symptomatic results : Inhalation. Gas or Vapour in high concentrations may irritate respiratory system. Gas or Vapour displaces oxygen available for breathing (asphyxiant). Solvent vapours are hazardous and may cause nausea, sickness and headaches
- Skin : May cause de-fatting of the skin, but is not a skin irritant. Prolonged or repeated contact leads to drying of the skin.
- Eyes : Spray and vapour in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.
- Route of Entry : Inhalation

**12. Ecological Information.**

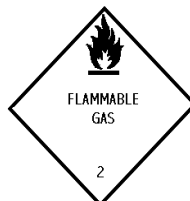
- 12.1 No data on possible environmental effects have been found.

**13. Disposal Considerations.**

- 13.1 Precautions : Dispose of containers in accordance with local authority requirements and licensed disposal contractor.
- 13.2 Container disposal : Drain container thoroughly. Dispose to a licensed disposal contractor. Empty containers must not be burned because of explosion hazard.

## 14. Transport Information.

Label for Conveyance :



**ROAD TRANSPORT** :

UN No. ROAD : 1950

ADR Class No. : Division 2.1 : Flammable Gases.

ADR Class : 2.1

ADR Item No. : 5F

ADR Marginal : 2201

ADR Label No. : 2.1

Hazchem Code : N/A

CEFIC TEC (R) No. : 20G26-2

Proper Shipping Name : Aerosols, Flammable, NOS (Contains Liquefied Petroleum Gases)

**RAIL TRANSPORT** :

RID Class No. : 2

RID Item No. : 5F

**SEA TRANSPORT** :

UN No Sea : 1950

IMDG Class : 2

IMDG Page No. : 2102

IMDG Pack Gr. : N/A

EmS No. : 2-13

MFAG Table No. : 620

Marine Pollutant : No

**AIR TRANSPORT** :

UN No. Air : 1950

ICAO Class : 2.1

Air Sub Class : N/A

Air Pack Gr. : N/A

## 15. Regulatory Information.

15.1 Label for Supply :



15.2 Risk Phrases : R-12; Extremely Flammable.

Safety Phrases : S-2; Keep out of the reach of Children

S-16; Keep away from sources of ignition – No Smoking

S-23; Do not breathe Gas/Fumes/Spray/Vapour

S-51; Use only in well ventilated areas

S-24/25; Avoid contact with skin and eyes.

U-2; Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use.

U-3; Do not spray on a naked flame or any incandescent material