

**MATERIAL SAFETY DATA SHEET**  
**TRI-SLIP 3004 DRY FILM LUBRICANT**  
**Hazardous according to criteria of NOHSC**

MANUFACTURED BY. THOMAS GROZIER & SON PTY. LTD  
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**Date of Issue : 01.02.13**

**1. IDENTIFICATION**

**General**

Product Name : GROZIER TRI-SLIP 3004 DRY FILM LUBRICANT  
Other Names : NONE ALLOCATED

**Classified as Hazardous according to criteria of NOHSC Australia.**

UN No. : 1950

Dangerous Goods Class : 2

Subsidiary Risk : 3

Hazchem Code : None Allocated

Pack Group : None Allocated

EPG : None Allocated

Poisons Schedule : None Allocated

Uses :

Dry film lubricant for railways, mining, metal processing, metal smelting, heavy and general engineering.

**1.1 Physical Description / Properties**

Appearance : Aerosol. Expels a fast drying black liquid.

Formula : Proprietary. Product is a room temperature curing agent containing graphite, PTFE, and molybdenum disulphide in a flammable hydrocarbon solvent, and hydrocarbon propellant.

Boiling Point : Not Applicable

Melting Point : Not Applicable

Vapour Pressure : Not determined.

Specific Gravity : Not Applicable

Flash Point : Contents of product without propellant. 4 deg C.

pH : Not Applicable

Solubility in water : Insoluble.

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : 2%

Upper Explosion Limit : 12%

**1.3 Hazardous Ingredients**

| Chemical Entity       | CAS No.    | Proportions (%) |
|-----------------------|------------|-----------------|
| Hydrocarbon X3B       | 2872-48-2  | 30-60           |
| Propellant            |            | 20-40           |
| Graphite              | 7782-42-5  | 5-10%           |
| Molybdenum Disulphide | 1317-33-5  | 5-10%           |
| Propyl Acetate        | 108-21-4   | Trace           |
| Methanol              | 67-56-1    | 0.3-0.5%        |
| BENTONE SD2           | 68953-58-2 | 0.5-2%          |

**2. HEALTH HAZARD INFORMATION**

**2.1 Health Effects - Acute**

**Swallowed**

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

**Eye**

Will cause eye discomfort, with mild to moderate irritation.

**Skin**

Repeated contact will cause irritation, and dermatitic effects.

**Inhaled**

Vapors will cause irritation of the respiratory tract, central nervous system depression and could cause lung injury.

**2.2 Health Effects - Chronic**

Repeated and prolonged contact may cause sensitisation of the skin.

**2.3 First Aid****Swallowed**

If swallowed, DO NOT induce vomiting. Drink plenty of water. Keep at rest. Get prompt medical attention.

**Eye**

Flush eyes with large amounts of water until irritation subsides. Get medical attention.

**Skin**

Remove contaminated clothing and wash skin with soap and water.

**Inhaled**

Remove to fresh air. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention if respiratory difficulty.

**First Aid Facilities**

No special requirements.

**2.5 Advice to Doctor**

Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**2.6 Toxicity Data**

Oral LD50(rat) = not available

Dermal LD50 = not available

Inhalation LD50 = not available

**3. PRECAUTIONS FOR USE****3.1 Exposure Standards**

STEL 191 mg/m<sup>3</sup>.NSCA Report indicates reading of 7.25 mg/m<sup>3</sup> in use on switch-plates.

TWA 574 mg/m<sup>3</sup>

**3.2 Engineering Controls**

Ensure adequate ventilation to maintain airborne concentrations to commonsense levels.

**3.3 Personal Protection**

Gloves, safety glasses or goggles, Respirator Type A P1 if ventilation is inadequate.

**3.4 Flammability**

Product is flammable.

**SAFE HANDLING INFORMATION****4.1 Storage / Transport**

Store in a cool place to prolong storage life. Transport as required by requirements of the Australian Dangerous Goods Code for Un 1950 Aerosols of capacity less than 1 litre.

**4.2 Packaging / Labeling**

Packed in aerosol containers. Label as flammable.

**Risk Phrases**

R36/38 irritating to eyes and skin. R/43 May cause sensitisation by skin contact.

**Safety Phrases**

S24 Avoid contact with skin. S28 After contact with skin, wash immediately with plenty of soap and water.

**4.3 Spills and Disposal****Spills**

Not relevant to an aerosol product which is being used as a dry lubrication so will not enter the ground water.

**Disposal**

Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility. Do not incinerate.

**4.4 FIRE AND EXPLOSION HAZARD****Fire / Explosion**

Aerosol cans may explode in a fire.

**Extinguishing Media**

Foam ,fog or product to contain hydrocarbon contents. Fire fighters should keep containers cool to prevent rupture of product.

## 5 OTHER INFORMATION

### Other Information

#### 5.1 Contact Points

| Organisation               | Location                 | Telephone   | Ask For |
|----------------------------|--------------------------|-------------|---------|
| Thomas Grozier & Son P.L.  | 2/8 Prince William Drive | 0410573635  | Robert  |
| Poisons Information Centre | Seven Hills              | 131126      |         |
|                            | Westmead Hospital        | 1800-251525 |         |
|                            | Australia                |             |         |