

SAFETY DATA SHEET

1) Identification of the substance/ preparation and company

Name of manufacturer /supplier Granville Oil & Chemicals Ltd
29 Goldthorpe Industrial Estate
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Rotherham
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England
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Product Name: Penetrating Oil

Product Type: General purpose penetrant and lubricant spray.

Classification: Extremely flammable under the EC aerosol Directive.
Flammable under the UK CHIP regulations.

2) Composition/Ingredient Information:

General Description: A blend of Mineral Oil, Petroleum Distillate and an Oxygenated Hydrocarbon containing a small amount of Calcium Petroleum Sulphonate. The Propellant is Butane.

Substances listed in CHIP or EH40 or classified

	Concentration	OES*	MEL	R/S Phrases	Symbol
Petroleum Naphtha	50/%w/w	1000mg/m3	....	R10,S2,23,24	.....
Butane 40	<45% w/w	600ppm	....	R12,S2,9,16,33	F+
Mineral Oil	<20% w/w	5mg/m3	.....	.....	.....

*Figures quoted are 8 hour time weighted averages R10- flammable
R12- Extremely Flammable

3) Hazards Identification

Spraying in a horizontal or inverted position may release Butane Propellant. Deliberate inhalation abuse could be fatal in extreme cases. Cans may rupture if heated to excess. Direct eye contact may cause irritation.

4) First Aid measures

Inhalation

Remove patient to fresh air and seek medical advice.

Eye Contact

Irrigate thoroughly with water. Seek medical advice if irritation persists.

SAFETY DATA SHEET

Skin Contact

Wash with soap and water

Ingestion

Unlikely to occur. Seek medical advice if significant quantities have been swallowed.

5) Fire Fighting

Water fog	Foam	Carbon Dioxide	Other
		X	

Unusual hazards

Cool containers to prevent rupture

6) Accidental Release Measures

If containers are ruptured, extinguish all ignition sources. Ventilate area, particularly at low level. Absorb residue on inert material and dispose of in accordance with local regulations.

7) Handling & Storage

Store at ambient temperatures under dry conditions. Read label before use. Ensure adequate ventilation. Do not breathe spray.

8) Exposure Controls/ Personal Protection

Protective clothing is not required.

Do not smoke during use

Ensure adequate ventilation

Do not breathe spray

9) Physical/ Chemical Properties

Appearance:	Thin Clear liquid
Odour:	Characteristic
Ph:	Not applicable
Flammability:	see sect 16
Internal Pressure:	Approx 3 bar
Solubility in water:	Nil at 20 deg Celsius
Vapour Density:	>Air
Relative density:	0.69
Other Information:	.....

10) Stability & Reactivity

The aerosol is stable under normal conditions. Cans may rupture in a fire with the release of flammable propellant.

11) Toxicological Information

SAFETY DATA SHEET

The aerosol contains no toxic or harmful materials . Deliberate inhalation abuse
Could prove fatal in extreme circumstance.
LD50/Oral (rat) for the petroleum distillate used is > 5000mg/kg.

12) Ecological information

All of the chemicals used are biodegradable. No Chlorofluorocarbons (CFCs) are present.

LC50/96 hour/ fish for the petroleum distillate used is >100mg/litre.

13) Disposal Considerations

Do not puncture or incinerate even when empty. Dispose of in accordance with local regulations.

14) Transport Information

IMDG: Class 2 aerosols

UN CODE; 1950

ADR: Class 2 Gases

Marine Pollutant: No

Other Information:

15) Regulatory Information

The labelling is accordance with the Chemical (hazard information and packaging supply) Regulations 1994 as amended in 1996.

The Aerosol is classified as flammable under the UK CHIP Regulations. The aerosol carries a statutory aerosol caution statement (see sect 16).

16) Other Information

Aerosol Caution

The container is pressurised. Do not pierce or burn, even when empty. Protect from sunlight and do not expose to temperatures exceeding 50 deg C. Do not spray on a naked flame or any incandescent material. Keep out of reach of children. Keep away from sources of ignition- no smoking.

The aerosol is classified as flammable under the UK CHIP regulations. Within the EC the current Aerosol Directive requires the aerosol to be labelled ' Extremely Flammable' These two sets of regulations are likely to be combined in the next few years.

This information is based on our present state of knowledge and is intended to describe the product from the point of view of safety. It should not be construed as a guarantee of specific properties.

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