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**MATERIAL SAFETY DATA SHEET****TENSOSPRAY****MSDS No. 188**

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**SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

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**Product**

**Product Name** TENSOSPRAY  
**Other Names** -  
**Manufacturer's Product Code** Various  
**Use** Adhesive spray.

**Supplier**

**Company** Smith & Nephew Pty. Limited  
**Address** 315 Ferntree Gully Road, Mount Waverley, Victoria 3149  
**Telephone No.** Customer Service:  
(03) 8540 6777 (Toll Free 13 13 60)  
**Emergency Tel. Nos.** (03) 8540 6777 (business hours)

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**SECTION 2 – HAZARDS IDENTIFICATION**

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**Hazard Classification** NON-HAZARDOUS SUBSTANCE. DANGEROUS GOODS.  
**Hazards Overview** The product is classified as EXTREMELY FLAMMABLE.  
Vapours may cause drowsiness and dizziness.

**Consumer Safety Warning:**

PRESSURISED DISPENSER; PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50°C.  
DO NOT PIERCE OR BURN, EVEN AFTER USE.

**Flammable Warning:**

EXTREMELY FLAMMABLE.  
DO NOT SPRAY ON A NAKED FLAME OR ANY INCANDESCENT MATERIAL.  
KEEP AWAY FROM SOURCES OF IGNITION – NO SMOKING.  
KEEP OUT OF THE REACH OF CHILDREN.

**Risk Phrases** R12 Extremely flammable  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

**Safety Phrases** S16 Keep away from sources of ignition – no smoking.  
S2 Keep out of the reach of children  
S23 Do not breathe vapour.  
S46 If swallowed, seek medical advice immediately and show this container or label.

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**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**


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Chemical Name	CAS No.	Percentage
Butane	106-97-8	25-50%
Isobutane	72-28-5	10-25%
Methylal	109-87-5	10-25%
Ethanol	64-17-5	10-25%
Propane	74-98-6	2.5-10%
Glyceryl rosinat		2.5-10%
Paraffin – light liquid		< 1%

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**SECTION 4 – FIRST AID MEASURES**


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As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.

<b>Swallowed</b>	In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show the label to the doctor.
<b>Eye</b>	Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.
<b>Skin</b>	Remove contaminated clothing and wash the skin thoroughly with soap and water. DO NOT use solvents or thinners.
<b>Inhaled</b>	If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.
<b>First-Aid Facilities</b>	Normal washroom facilities nearby.
<b>Advice to Doctor</b>	Treat symptomatically.

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**SECTION 5 – FIRE FIGHTING MEASURES**


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<b>Hazards From Combustion Products</b>	When exposed to high temperatures the preparation may release dangerous decomposition products such as carbon monoxide, carbon dioxide, smoke and oxides of nitrogen.
<b>Suitable Extinguishing Media</b>	Carbon dioxide, chemical powders, foams and other extinguishing gases. In the event of a fire, use specifically suitable extinguishing agents. Never use water.
<b>Fire-fighting Procedures</b>	Keep packages near the fire cool, to prevent pressurised containers from bursting. Prevent the effluent from fire-fighting measures from entering drains or waterways. Do not use compressed air during filling, emptying or handling.

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**Hazchem Code**      Fire-fighting personnel are to be equipped with self-contained breathing apparatus.  
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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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**Spill / Leak Procedures**      Eliminate any possible source of ignition and ventilate the premises. Avoid inhaling the vapours. Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatom earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of water recovered, in accordance with local waste regulations.

Clean with a detergent, do not use solvents.

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**SECTION 7 – HANDLING AND STORAGE**

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**Handling Advice**      Handle in well-ventilated areas.  
The vapours are heavier than air and can spread along the ground and form explosive mixtures with air.  
Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.  
Do not spray on a naked flame or any incandescent material.

**Storage Advice**      Keep the container closed in a dry, well-ventilated place.

Keep away from all sources of ignition. Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures greater than 50°C.

Keep out of reach of children.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**


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<b>Exposure Standards</b>	<u>ACGIH TLV limits:</u> Butane (CAS 106-97-8) TWA 800ppm Isobutane (CAS 72-28-5): TWA 900ppm Methylal (CAS 109-87-5): TWA 1000ppm Ethanol (CAS 64-17-5): TWA 1000ppm Propane (CAS 74-98-6): TWA 2500ppm
<b>Engineering Controls</b>	Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.
<b>Personal Protection</b>	Protective creams may be used for exposed skin, but they should not be applied after contact with the product. Due to the solvents present, it is recommended that neoprene rubber or nitrile gloves be worn. Use eye protectors designed to protect against liquid splashes.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**


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<b>Appearance and Odour</b>	Pressurised aerosol canister containing a colourless adhesive spray.
<b>Melting Point / Boiling Point</b>	Not determined.
<b>Vapour Pressure</b>	Not available.
<b>Vapour Density (Air=1)</b>	Not available.
<b>Specific Gravity</b>	<1
<b>Flashpoint</b>	< 0°C
<b>Flammability Limits (FL) (%)</b>	Not available.
<b>Autoignition Temperature</b>	Not available.
<b>Solubility in Water (g/L)</b>	Insoluble.
<b>Percent volatile by volume</b>	Not available.

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**SECTION 10 – STABILITY AND REACTIVITY**


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<b>Stability</b>	When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and oxides of nitrogen.
<b>Conditions to Avoid</b>	Any apparatus likely to produce a flame or to have a metallic surface at high temperatures (burners, electric arcs, furnaces etc.) must not be allowed on the premises.
<b>Incompatible Materials</b>	Refer <i>Conditions to Avoid</i> .
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.
<b>Hazardous Polymerisation</b>	No data available.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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**Acute Effects****Swallowed**

Harmful. May cause lung damage if swallowed.

**Eye**

Splashes in the eye may cause irritation and reversible damage.

**Skin**

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

**Inhaled**

Exposure to vapours from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as irritation of mucous membranes and respiratory system, kidneys, liver and central nervous system.

**Chronic Effects**

No data available.

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**SECTION 12 – ECOLOGICAL INFORMATION**

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**Environmental Issues**

Harmful to aquatic organisms.

**Persistence & Degradability**

Outer cardboard packaging material may be separated for recycling.

**Mobility**

May cause long-term adverse effects in the aquatic environment.

Not available.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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**Method of Disposal**

In accordance with local waste regulations.

Do not release into drains or waterways.

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**SECTION 14 – TRANSPORT INFORMATION**

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**Classification**

Classified as a Dangerous Good according to the Australian Code for Transport of Dangerous Goods by Road and Rail.

**UN No.**

1950.

**Class**

2.1

**Subsidiary Risk(s)**

Not applicable.

**Packing Group**

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**Hazchem Code**

2YE

**Shipping Name**

AEROSOLS

**Other**

Not applicable.

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**SECTION 15 – REGULATORY INFORMATION**

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**Poison Schedule**     Not a Scheduled Poison.**SECTION 16 – OTHER INFORMATION**

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<b>CONTACT POINT :</b>	<b>CUSTOMER SERVICE</b>	<b>Telephone: (03) 8540 6777</b>
<b>Date of Issue:</b>	07/03/2011	
<p>This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.</p>		

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