
MATERIAL SAFETY DATA SHEET

OPSITE MOISTURE VAPOUR PERMEABLE SPRAY DRESSING**MSDS No. 49**

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product

Product Name	OPSITE MOISTURE VAPOUR PERMEABLE SPRAY DRESSING
Other Names	OPSITE SPRAY
Manufacturer's Product Code	66004978
Use	Spray dressing for dry wounds.

Supplier

Company	Smith & Nephew Pty. Limited
Address	315 Ferntree Gully Road, Mount Waverley, Victoria 3149
Telephone No.	Customer Service: (03) 8540 6777 Toll Free (Australia): 13 13 60 Toll Free (New Zealand): 0800 807 663
Emergency Tel. Nos.	(03) 8540 6777 (business hours)

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Hazards Overview	Flammable aerosol liquid. The contents are highly flammable and are under pressure. Contact with skin and eyes may result in irritation.

Risk Phrases	R11 Highly flammable
	R36 Irritating to eyes
	R66 Repeated exposure may cause skin dryness and cracking
	R67 Vapours may cause drowsiness and dizziness

Hazard Category: IRRITANT (Xi)

Safety Phrases	S16 Keep away from ignition sources - No smoking.
	S2 Keep out of reach of children.
	S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
	S46 If swallowed, seek medical advice immediately and show the container or label.
	S9 Keep container in a well-ventilated place.

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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Proportion
Ethyl Acetate	141-78-6	<10% v/v
Acetone	67-64-1	30-60% v/v
Butane 40	106-97-8	10-30% v/v
Dimethyl Ether	115-10-6	10-30%
Isopropyl Alcohol	67-63-0	10-30%
Acrylic Copolymer	Confidential	<10%

SECTION 4 – FIRST AID MEASURES

Swallowed	DO NOT induce vomiting. Give water to drink. Get medical attention immediately.
Eye	Rinse eye with water for 15 minutes, whilst lifting eyelid. Get medical attention if effects persist.
Skin	Wash thoroughly with soap and water. Get medical attention if effects persist.
Inhaled	Move individual to fresh air. Seek medical attention if effects persist. Restore and/or support breathing as required.
First-Aid Facilities	Eye wash plus normal washroom facilities nearby.
Advice to Doctor	Take care to avoid aspiration into the lungs if the patient vomits.

SECTION 5 – FIRE FIGHTING MEASURES

Hazards From Combustion Products	Hazardous products of combustion include acetic acid and oxides of carbon.
Suitable Extinguishing Media	Water spray or fog, dry chemical, foam, carbon dioxide. Water spray can be used to keep fire-exposed containers cool.
Fire-fighting Procedures	<p>Wear self-contained breathing apparatus and wear full protective clothing when fighting fires.</p> <p>Undamaged aerosol cans are unlikely to cause a fire, however they can be ignited in a fire situation and contribute highly flammable fuel to the fire. If unrestrained they can rocket and start several simultaneous fires and cause the fire protection system to be overwhelmed.</p> <p>Leaking containers will form vapours that are heavier than air and may travel a long distance to an ignition source and flashback.</p>
Hazchem Code	Not applicable.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill / Leak Procedure Eliminate sources of ignition. Stop source of spill. Prevent from entering sewer, drains or other bodies of water. Absorb spill with sand or vermiculite and place in a sealed, labelled container for disposal.

SECTION 7 – HANDLING AND STORAGE

Handling Advice Always invert can for use. DO NOT spray near eyes. Avoid inhalation. DO NOT spray near naked lights as contents are highly flammable. AVOID USE in confined spaces.

Storage Advice Store in a cool, well-ventilated area away from sources of ignition, heat, sparks, flames and strong oxidising agents. Do not store in confined spaces such as basements. Do not store near exits, as the aerosols may become a significant danger in the event of fire.
Handle carefully, pallet loads should be stored in cages, so that in the event of a fire, flammable aerosol propellant cans cannot rocket and start several simultaneous fires.

Store in accordance with Dangerous Goods (Storage and Handling) Regulations.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards **Ethyl Acetate:** TWA 200 ppm (720 mg/m³); STEL 400 ppm (1440 mg/m³)
Acetone: TWA 500 ppm (1185 mg/m³); STEL 1000 ppm (2375 mg/m³)
Butane: TWA 800 ppm (1900 mg/m³)
Dimethyl Ether: TWA 400 ppm (760 mg/m³); STEL 500 ppm (950 mg/m³)
Isopropyl Alcohol: TWA 400 ppm (983 mg/m³); STEL 500 ppm (1230 mg/m³)

Engineering Controls Provide good ventilation. Keep separate from ignition sources. Do not use in confined spaces. Preferably store pallet load quantities in cages, to prevent rocketing in a fire situation.

Personal Protection The wearing of eye protection is advisable. Please note the product contains acetate which may react with non-latex/synthetic gloves. Wear solvent resistant gloves (e.g. butyl rubber) and eye protection.
Avoid breathing vapours. An organic vapour respirator, meeting AS/NZS 1715/1716, may be required, if local exhaust is not available, and the product is discharged for an extensive time.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour	Pressurised 110 ml aluminium monobloc aerosol can, containing an acrylic polymer, flammable solvent and flammable propellant gas. With a strong acetone / ethyl acetate / alcohol odour.	
Melting Point / Boiling Point	Melting Point:	Not determined
	Boiling Point:	Not determined
Vapour Pressure	Not available.	
Vapour Density (Air=1)	Not available.	
Specific Gravity	Not available.	
Flashpoint	-20°C	
Flammability Limits (FL) (%)	Lower FL: 1.8%	Upper FL: 27%
Autoignition Temperature	Not determined.	
Solubility in Water (g/L)	Not available.	
Percent volatile by volume	>80%	

SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable at room temperature, hydrolysed by strong acids.
Conditions to Avoid	Heat and ignition sources and exposure to direct sunlight.
Incompatible Materials	Avoid contact with strong oxidising agents, acids and bases.
Hazardous Decomposition Products	Acetic acid, combustion will generate oxides of carbon.
Hazardous Polymerisation	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Effects

Swallowed	May be harmful if swallowed. It may cause gastrointestinal irritation and dizziness.
Eye	May cause irritation by direct liquid contact with the eye.
Skin	The solvents in this aerosol can degrease the skin and cause redness and dryness.
Inhaled	May be harmful if inhaled. Vapours or mists may cause upper respiratory tract irritation.

Chronic Effects

Chronic or repeated exposure will cause defatting of the skin, and may lead to irritation and dermatitis.

Chronic inhalation over exposure may have a narcotic effect. Prolonged and repeated over exposure may cause liver and kidney damage.

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SECTION 12 – ECOLOGICAL INFORMATION

Environmental Issues	A slightly water-polluting substance. Avoid release to sewers and watercourses. Rated as practically non-toxic to aquatic species.
Persistence & Degradability	The product is readily biodegradable in aerobic systems using either salt water or fresh water inocula. The polymeric material will initially coagulate.
Mobility	The product is volatile/gaseous and will partition to the air phase.

SECTION 13 – DISPOSAL CONSIDERATIONS

Method of Disposal	Absorb spill with sand or vermiculite and place in a sealed, labelled container for disposal.
	Dispose of in accordance with local waste regulations. Never incinerate aerosol can, even when empty they are an explosion hazard. If incinerated they will explode.

SECTION 14 – TRANSPORT INFORMATION

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	II
Hazchem Code	Not applicable.
Shipping Name	AEROSOLS
Other	Transport and label in accordance with the Australian Code for Transport of Dangerous Goods by Road and Rail.

SECTION 15 – REGULATORY INFORMATION

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

CONTACT POINT :	CUSTOMER SERVICE	Telephone: (03) 8540 6777
Date of Issue:	07/02/2013	
<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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