

MATERIAL SAFETY DATA SHEET FOR: SPRAYBOND REMOVABLE

Replaces: July 2006 Date of issue: September 2007.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Spray Bond Removable

Other Names: None

Use: Used in art and craft as a spray adhesive. Shake aerosol can and spray onto areas to be bonded.

Company: H. B. Fuller

Address: 16-22 Red Gum Drive, Dandenong South VIC 3175

Telephone: (03) 9797 6222

Emergency Telephone No: 1800 033 111

2. HAZARD IDENTIFICATION*Hazardous according to criteria of NOHSC*

Risk Phrases:

- R11 Highly flammable
R20 Harmful by inhalation
R21 Harmful by contact with skin
R22 Harmful if swallowed
R48 Danger of serious damage to health by prolonged exposure

Safety phrases:

- S2 Keep out of reach of children.
S9 Keep container in a well ventilated place.
S16 Keep away from ignition sources.
S24/25 Avoid contact with skin and eyes.
S29 Do not empty into drains
S51 Use only in well ventilated areas

3. COMPOSITION**Ingredients**

CHEMICAL ENTITY	CAS No	PROPORTION
n-hexane & hexane isomers	110-54-3	Low
Light aliphatic petroleum solvent (max 0.1% benzen)	64742-49-0	V. high
Hydrocarbon Propellant (Propane / Butane)	74-98-6 / 106-97-8	Med
Non hazardous material	to 100%	

Low <10% Med. 10-30% High 30-60% V High >60%

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4. FIRST AID MEASURES

Swallowed:

If swallowed, do NOT induce vomiting. Give water to drink. Seek medical attention. Rinse mouth thoroughly with water immediately. Never give anything by mouth to an unconscious person. Should the patient vomit, maintain a clear airway until medical assistance is obtained

Eyes:

If in eye, irrigate immediately with copious amounts of water for 15 minutes with eyelids held open. See a doctor.

Skin:

Wash affected areas with copious quantities of soap and water immediately.
Remove contaminated clothing and wash before reuse. See a doctor if irritation persists.

Inhaled:

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. See a doctor for all but the most minor symptoms.

First Aid Facilities:

Have eyewashes available where contact with eyes can occur.

Advice to Doctor

Treat symptomatically.

Oral: Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression ranging from mild headache to anaesthesia and coma. Pulmonary irritation secondary to exhalation of solvent. Lavage with a cupped tube if a large quantity is ingested. Aspiration is the main danger. Enforce bed rest and observe carefully for 24 hours for chemical pneumonitis. Longer term medical surveillance may be necessary. Maintain airway and vital functions.

Inhaled: CNS depression characterised by headache and dizziness that in extreme cases can lead to unconsciousness and death.

5. FIRE FIGHTING MEASURES

FLASH POINT:	Not applicable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Incomplete combustion can yield low molecular weight hydrocarbons, oxides of carbon, oxides of nitrogen, silicone dioxide, formaldehyde and other hazardous products of combustion.

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6. ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.
Shut off ignition sources; including electrical equipment and flames.
Do not allow smoking in the area.

7. HANDLING AND STORAGE**Storage and Transport:**

Store in a cool, dry place with good low level ventilation. Keep out of direct sunlight. Do not store in temperatures above 50°C. Store in compliance with AS 1940. The Proper Shipping name for this product is: AEROSOLS. It is classified as a Dangerous Good Class 2.1. Transport in accordance with the ADG Code. EPG 2.1.001 guidelines

Hazardous Polymerisation:
None Established

Incompatibilities:
Strong oxidisers

Spill and Disposal

In the event of a large spill, call the fire brigade. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Remove any naked lights or heat sources. Contain using non-combustible absorbents, such as Vermiculite - prevent contamination of waterways and drains.

Use an absorbent (soil or sand, inert material, Vermiculite). Collect and seal in properly labelled drums for disposal. For disposal, refer to state land waste management authority.

Fire/Explosion Hazard:

This product is highly flammable. Keep containers cool with water spray. Containers may explode when overheated liberating quantities of carbon dioxide, carbon monoxide and potentially hazardous fumes. Dense smoke can appear if combustion is incomplete. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapours. Fire fighters to wear full protective equipment. Vapours heavier than air - risk of oxygen deficiency. Extinguish using water fog, carbon dioxide, dry chemical or foam.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards [NOHSC: 1008 (2004)]:

n Hexane

Propane

Butane

TWA.

20 ppm

Asphyxiant

800 ppm

Engineering Controls:

Local exhaust ventilation away from the user at a face velocity that is sufficient to keep the vapour or mist levels below their exposure limits is required. Vapour is heavier than air, use low level flameproof extraction equipment.

Personal Protection:

Wear safety overalls, safety glasses and polyethylene or nitrile rubber gloves. Always wash hands before smoking, eating, drinking or using the toilet. Respiratory equipment must be worn where exposure limits are exceeded. Avoid eye or skin contact.

Flammability:

In use highly explosive vapours are produced. This product is highly flammable. Do not smoke while using this product. Ensure good ventilation. Do not use near heat sources, open flames or ignition sources. Solvent vapours are heavier than air and can accumulate in pits, basements or other low-lying areas creating a fire, explosion and asphyxiation hazard. Guard against static discharges.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical Description/Properties**

Appearance: Colourless liquid with solvent odour.

Melting Point: Not applicable

Boiling Point: -42°C to 0°C (propellant)

Vapour Pressure: 300 -1400 kpa at 25°C

Specific Gravity: Approx.1

Flashpoint: -104°C to -60°C (propellant)

Flammability Limits: 1.5 9.6% by volume (propellant)

VOC content (Californian South coast air quality management rule 1168): unknown

Solubility in water: Insoluble

Other Properties:

Auto ignition temperature 494°C to 600°C (propellant)

Odour threshold not determined.

Vapour Density (air = 1) >1

Volatilise 90%

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of temperature and humidity

CHEMICAL INCOMPATIBILITY: Not established

HAZARDOUS POLYMERIZATION

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and other harmful gases be emitted upon burning

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11. TOXICOLOGICAL INFORMATION**Health Effects***ACUTE:*

Swallowed:

An unlikely route of entry. Ingestion may result in nausea, vomiting, diarrhoea, abdominal pain, and/or convulsions. Will cause damage to the mucous membranes. If retained, it may lead to kidney damage and ulceration of the stomach. Can kill if swallowed. May cause severe burns to mouth, throat and stomach. Tends to break up into a foam if the patient vomits. Upon aspiration into the lungs, chemical pneumonitis may develop.

Eye:

Vapour irritating to eyes and mucous membranes.

Skin:

Mildly irritating to the skin. Frequent or prolonged contact can cause skin complaints such as dermatitis.

Inhaled:

May cause weakness and dizziness. The vapour is an irritant to the mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of coordination, impaired judgement and if exposure is prolonged, unconsciousness and possibly death. Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.

CHRONIC:

Repeated or prolonged contact with the skin may defat it and cause irritation. Evidence from studies on exposed workers indicate that repeated or prolonged exposure to this chemical could result in central nervous disorders. These particular data are not considered relevant to normal industrial use but emphasise the need for care in handling.

Inhaled: Repeated inhalation or skin exposure to n-hexane has been noted to cause peripheral neuropathy in exposed individuals. Both sensory and motor nerve damage has been documented with long term exposures of greater than 500ppm. Cessation of exposure is not immediately followed by improvement and symptoms may even progress for 2-3 months. Final recovery may take more than 1 year depending on the severity of the intoxication and may not always be complete. Concurrent exposure to n-hexane and methyl ethyl ketone (MEK) will accelerate the appearance of damage due to n-hexane although MEK itself will not cause the effects. Other isomers of n-hexane do not cause the above effects. It is not expected that the above effects would be noted in individuals exposed at or below the applicable Time Weight Average (TWA) exposure limits.

12. ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

13. DISPOSAL

Dispose strictly in accordance with local industrial waste disposal and environmental protection regulation.

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14. TRANSPORT INFORMATION

UN Number: 1950
Dangerous Goods Class: 2.1
Subsidiary Risk: N/A
Hazchem Code: 2 [Y]
Poisons Schedule: Exempt
Packaging Group: Not applicable

15. REGULATORY INFORMATION

All components of this material are registered with NICNAS and appear on the AICS.

16. OTHER INFORMATION

Contact point: Technical Manager (03) 9797 6222

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the 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.