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## 1. IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER

**Product name:** **Bostik Supertak HS Clear Sprayable Contact Adhesive**

**Synonyms:**  
Bostik Supertak HS Clear Sprayable Contact Adhesive

**Item Code**  
003817

**Hazard Statement:** Classified as Hazardous according to HSNO in New Zealand.  
Classified as a Dangerous Good according to NZS5433: 2007 Transport of Dangerous Goods on Land.

**Recommended use:** Sprayable contact adhesive

**Supplier:** Bostik New Zealand Limited  
**Street Address:** 19 Eastern Hutt Road  
Wingate Lower Hutt  
New Zealand  
**Telephone:** +64 4 567-5119  
**Facsimile:** +64 4 567-5412  
**Website:** [www.bostik.co.nz](http://www.bostik.co.nz)

**Emergency telephone number:** **National Poisons Centre**  
**0800 POISON or 0800 764 766**

**Emergency Response:** In New Zealand **0800 CHEMCALL or 0800 243 622**  
In Australia **1800 127 406**  
Globally **++64 3 353 0199**

## 2. HAZARDS IDENTIFICATION

**ERMA Group Standard:** Construction Products (Subsidiary Hazard) Group Standard 2006; HSR002544

### HSNO Hazard Classification

2.1.1A Flammable gases  
6.7B Substances that are suspected human carcinogens

### Hazard Statement:

H220 Extremely flammable gas.  
H351 Suspected of causing cancer.

### Prevention Statement:

P103 Read label before use.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from all sources of ignition. No smoking.  
P281 Use personal protective equipment as required.

## DANGEROUS GOODS CLASSIFICATION

**Class:** 2.1 Flammable Gas

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS NO.	PROPORTION
Butane	106-97-8	30-60%
Propane	74-98-6	30-60%
Dichloromethane	75-09-2	10-30%
Ingredients determined to be non-hazardous by the HSNO regulations		Balance
		<hr/> 100%

### 4. FIRST AID MEASURES

**Inhalation:** 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. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

**Skin contact:** For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Notes to physician:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Specific hazards:** Flammable gas. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

**Fire fighting further advice:** If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

**Hazchem Code:** 2YE

**Suitable extinguishing media:** If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).



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## 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

**Dangerous Goods – Initial Emergency Response Guide No: 04**

## 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

**Storage:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Dangerous Good Class 2.1 Flammable Gas as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### National occupational exposure limits:

No value assigned for this specific material by Safe Work Australia or Department of Labour New Zealand.

However for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Butane	800	1,900	-	-	-	-
Methylene chloride	50	174	-	-	A3	-
Propane	Asphyxiant					

As published by the New Zealand Occupational Safety and Health Service (OSH)

WES-TWA (Workplace Exposure Standard – Time-weighted Average). The time-weighted average exposure standard designed to protect the worker for the effects of long-term exposure.

WES-Ceiling (Workplace Exposure Standard - Ceiling). A concentration that should not be exceeded during any part of the working day.

A3 Carcinogen – Confirmed animal carcinogen with unknown relevance to humans.

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Asphyxiant - gases that can lead to reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

**Engineering measures:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. An asphyxiant gas that can lead to the reduction of oxygen concentration by displacement or dilution. The minimum oxygen content in air should be 18% by volume under normal atmospheric pressure. Keep containers closed when not in use.

**Personal protection equipment:** OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from polyvinyl alcohol (PVA) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Hygiene measure:** Ensure that eyewash stations and safety showers are close to the workstation location if applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Red or clear liquid under pressure (70 psi) with chlorinated hydrocarbon odour.

<b>Solubility:</b>	Slightly soluble in water
<b>Specific Gravity (20 °C):</b>	0.944
<b>Relative Vapour Density (air=1):</b>	>1
<b>Vapour Pressure (20 °C):</b>	N Av
<b>Flash Point (°C):</b>	-40
<b>Flammability Limits (%):</b>	N Av
<b>Autoignition Temperature (°C):</b>	N Av
<b>Melting Point/Range (°C):</b>	40
<b>Boiling Point/Range (°C):</b>	N Av
<b>pH:</b>	N App
<b>Viscosity:</b>	N Av
<b>Total VOC (g/Litre):</b>	N Av

(Typical values only - consult specification sheet)

N Av = Not available

N App = Not applicable

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## 10. STABILITY AND REACTIVITY

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible Materials:** Alkalis, acids and oxidising agents.

**Hazardous decomposition products:** Phosgene, hydrogen chloride, oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** Slow hydrolysis with water forms hydrochloric acid.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Material may be irritant to mucous membranes and respiratory tract.

**Skin contact:** Liquid splashes or spray may cause freeze burns. Contact with skin will result in irritation.

**Eye contact:** May be an eye irritant. Liquid splashes or spray may cause freeze burns to the eye.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Long Term Effects:** No information available for product.

### Acute toxicity / Chronic toxicity

No LD50 data available for the product. However, for the constituent:

Methylene chloride

Oral LD50 (rat):	1,410 mg/kg
Eye irritant (rabbit):	Moderate irritant
Skin irritant (rabbit):	Moderate to severe irritant

Carcinogen Classification: B2; probable human carcinogen. Based on inadequate human data and sufficient evidence of carcinogenicity in animals; increased incidence of hepatocellular neoplasms and alveolar/bronchiolar neoplasms in male and female mice, and increased incidence of benign mammary tumors in both sexes of rats, salivary gland sarcomas in male rats and leukemia in female rats. This classification is supported by some positive genotoxicity data, although results in mammalian systems are generally negative. HUMAN CARCINOGENICITY DATA: Inadequate. ANIMAL CARCINOGENICITY DATA: Sufficient.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. No data available for the product.

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**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Mobility:** No information available.

### 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

TRANSPORT PROHIBITED according to NZS5433: 2007 Transport of Dangerous Goods on Land.  
No bulk transport allowed. Unit loads only.

<b>UN No:</b>	3161
<b>Dangerous Goods Class:</b>	2.1
<b>Packing Group:</b>	Not allocated
<b>Hazchem Code:</b>	2YE
<b>Emergency Response Guide No:</b>	04

**Proper Shipping Name:** LIQUEFIED GAS, FLAMMABLE, N.O.S. (BUTANE and PROPANE)

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances (Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

#### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

<b>UN No:</b>	3161
<b>Dangerous Goods Class:</b>	2.1
<b>Packing Group:</b>	Not allocated

**Proper Shipping Name:** LIQUEFIED GAS, FLAMMABLE, N.O.S. (BUTANE and PROPANE)

#### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. TRANSPORT PROHIBITED under the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air in passenger aircraft only; may be transported by cargo aircraft.



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**UN No:** 3161  
**Dangerous Goods Class:** 2.1  
**Packing Group:** Not allocated

**Proper Shipping Name:** LIQUEFIED GAS, FLAMMABLE, N.O.S. (BUTANE and PROPANE)

#### 15. REGULATORY INFORMATION

All the constituents of this material are listed on the New Zealand Inventory of Chemical (NZIoC).

#### 16. OTHER INFORMATION

##### Literary reference

This SDS has been prepared by Chemical Data Services Pty Ltd ([chemdata.com.au](http://chemdata.com.au)) on behalf of its client.

Reason(s) For Issue: First Issue

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

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 Bostik New Zealand Limited 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 product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.