

**1 IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER**

<b>Product Name</b>	<b>Bostik Expanda Foam GP</b>
<b>Hazard Statement</b>	<b>Classified as Hazardous according to HSNO in New Zealand. Classified as a Dangerous Good according to NZS5433:1999 Transport of Dangerous Goods on Land.</b>
<b>Recommended Use</b>	Foaming polyurethane filler
<b>Supplier</b>	<b>Bostik New Zealand Limited</b>
<b>Street Address</b>	19 Eastern Hutt Road, Wingate, Lower Hutt, New Zealand
<b>Telephone</b>	++64 4 567 5119
<b>Facsimile</b>	++64 4 567 5412
<b>Website</b>	<a href="http://www.bostik.co.nz">www.bostik.co.nz</a>
<b>Emergency Telephone Number</b>	<b>National Poisons Centre 0800 POISON or 0800 764 766</b>
<b>Emergency Response</b>	In New Zealand <b>0800 CHEMCALL or 0800 243 622</b> In Australia <b>1800 033 111</b> Globally <b>++64 3 353 0199</b>

**2 HAZARDS IDENTIFICATION**

Note: This product contains both volatile (solvents) and non-volatile components. During the normal use of this product, the hazardous volatile components evaporate and dissipate. The remaining non-volatile component is not hazardous.

<b>Hazard Statement</b>	DANGER
<b>Precautions</b>	Keep out of reach of children Keep away from heat, sparks, open flames and hot surfaces. No smoking Pressurized container: Do not pierce or burn, even after use Do not breathe spray Wear protective gloves, clothing and eye protection Protect from sunlight. Do not expose to temperatures exceeding 50°C Do not handle until safety precautions have been read and understood. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact with this product.

**HSNO Classifications**

- 2.1.2A Extremely Flammable aerosol
- 6.1D Harmful if inhaled
- 6.3B Causes mild skin irritation
- 6.4A Causes serious eye damage
- 6.9A Causes damage to organs through prolonged or repeated exposure if inhaled
- 9.1D Toxic to aquatic life

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS	Proportion (%)
Alkanes, C14-17, chloro	85535-85-9	1 to 20
Polymethylene polyphenylisocyanate	9016-87-9	>25
Propane	74-98-6	1 to 10
Propane, 2-methyl- (isobutane)	75-28-5	1 to 20
Methane, oxybis- (dimethyl ether)	115-10-6	1 to 10
(1,3-Butadiene)	106-99-0	<0.1

High = >60%    Medium = 10% - 60%    Low = 1% - 10%    Very Low = < 1%

**4 FIRST AID MEASURES**

If poisoning occurs, contact the National Poison Centre (New Zealand 0800 POISON or 0800 764 766).

**First Aid**

- Inhalation** Remove person to fresh air. Get medical advice if breathing becomes difficult.
- Skin Contact** Remove contaminated clothing and wash skin with warm soapy water. Do not scrub. If swelling, redness, blistering or irritation occurs, get medical assistance.
- Eye Contact** Immediately hold open and flood with water for at least 15 minutes. Eyelids to be held open. Get medical advice.
- Ingestion** Rinse mouth with water. Get medical advice immediately. Do NOT induce vomiting because of risk of aspiration. Never give anything by

the mouth to an unconscious patient. Watch for toxic effects.

**Advice to Physician** Treat symptomatically. Effects may be delayed.

## 5 FIRE FIGHTING MEASURES

Clear fire area of all non-emergency personnel.

<b>Type of Hazard</b>	Flammable aerosol
<b>Fire Hazard Properties</b>	On burning: release of toxic and corrosive gases/vapours(phosphorus oxides, nitrous vapours, hydrofluoric acid, hydrogen chloride, carbon monoxide, carbon dioxide). May polymerize on exposure to temperature rise. On heating: release of toxic/combustible gases/vapours (hydrogen cyanide).
<b>Extinguishing Media</b>	Water, Polyvalent foam, BC powder, Carbon dioxide
<b>Unsuitable Extinguishing Media</b>	Do not use a water jet.
<b>Precautions for Firefighters</b>	Wear full protective equipment, including self contained breathing apparatus.
<b>Additional Advice</b>	Keep adjacent containers cool by spraying with water.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Small Spills</b>	Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment. Wear full protective equipment, including self-contained breathing apparatus if necessary. Dam up the solid spill. Use appropriate containment to avoid environmental contamination. Allow product to solidify and remove it by mechanical means. Carefully collect the spill/leftovers and seal in properly labelled containers or drums. Clean (treat) contaminated surfaces with acetone (caution on delicate substrates). See Disposal section of this SDS for further details.
<b>Large Spills</b>	Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment. Wear full protective equipment, including self-contained breathing apparatus if necessary. Dam up the solid spill. Use appropriate containment to avoid environmental contamination. Allow product to solidify and remove it by mechanical means. Carefully collect the spill/leftovers and seal in properly labelled containers or drums. Clean (treat) contaminated surfaces with acetone (caution on delicate substrates). See Disposal section of this SDS for further details.

## 7 HANDLING AND STORAGE

**Handling** Avoid breathing of or contact with material. Use only in well ventilated areas. Keep away from heat, sparks, open flames and any other sources of ignition.

Static electricity must be avoided. Wear the appropriate personal protection equipment as specified in this SDS to prevent eye and skin contact. Wash thoroughly after handling. Remove contaminated clothing immediately.

**Storage**

Storage temperature: <50°C. Store containers upright in a cool, dry, well ventilated place and out of direct sunlight. Keep away from heat, sparks, open flames and any other sources of ignition. Store away from any incompatible materials as defined in Section 10 of this SDS. Keep containers closed when not in use.

<b>8 EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
--

**Workplace Exposure Guidelines**

Substance	WES-TWA (UK)	WES-STEL (UK)
Isocyanates, all (as-NCO), except methyl isocyanate	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>
Methane, oxybis- (dimethyl ether)	400ppm	500ppm

**Engineering Controls** Use spark/explosion proof appliances and lighting system. Keep away from naked flames/heat.

**Personal Protection Equipment** Avoid fume inhalation. Wear organic vapour respirator, especially if working in a poorly ventilated area. Selection of the correct cartridge is essential. Avoid skin contact. Avoid repeated and prolonged skin contact. Wear overalls or similar protective clothing. Wear solvent resistant gloves, and enclosed footwear. Avoid eye contact. Wear safety glasses, goggles or appropriate face shield.

<b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>
---

<b>Appearance</b>	Aerosol
<b>Odour</b>	Characteristic odour
<b>Flash Point °C</b>	Not applicable
<b>Boiling Point °C</b>	Not determined
<b>Lower &amp; Upper Flammability Limits %</b>	Not determined
<b>Auto-ignition Temperature °C</b>	550
<b>Percent Volatile by weight</b>	Not determined
<b>Specific Gravity</b>	1.0

**Solubility in Water**

Very low

High = &gt;60%

Medium = 10% - 60%

Low = 1% - 10%

Very Low = &lt; 1%

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
-----------	---------------------------------

<b>Stability of Substance</b>	This material is stable when stored and used as directed.
<b>Conditions to Avoid</b>	Heat sources, ignition sources
<b>Incompatible Materials</b>	Strong acids, strong bases, amines
<b>Hazardous Decomposition Products</b>	On heating: release of toxic/combustible gases/vapours (hydrogen cyanide). On burning: Release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, hydrofluoric acid, hydrogen chloride, carbon monoxide – carbon dioxide).
<b>Hazardous Reactions</b>	May polymerize with many compounds e.g. strong bases and amines. Reacts violently with some acids/bases.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
-----------	----------------------------------

Information given in this Safety Data Sheet is based on the data on the components and the toxicology of similar products. No adverse health effects are expected if the product is handled in accordance with this SDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Acute Oral Toxicity</b>	Low acute toxicity
<b>Acute Dermal Toxicity</b>	Low acute toxicity
<b>Acute Inhalation Toxicity</b>	Harmful if inhaled
<b>Skin Irritation</b>	Causes irritation
<b>Eye Irritation</b>	Causes serious irritation
<b>Sensitisation (Respiratory &amp; Contact)</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
<b>Carcinogenicity</b>	Suspected of causing cancer
<b>Reproductive / Developmental Toxicity</b>	Not classified for reprotoxic or developmental toxicity
<b>Mutagenicity</b>	Not classified for mutagenic or genotoxic toxicity
<b>Target Organ Systemic</b>	May cause damage to organs through prolonged or repeated exposure.

**12 ECOLOGICAL INFORMATION****Acute Toxicity**

<b>Aquatic</b>	No data available on ecotoxicity
<b>Soil</b>	No data available on ecotoxicity
<b>Terrestrial Vertebrate</b>	No data available on ecotoxicity
<b>Terrestrial Invertebrate</b>	No data available on ecotoxicity

**Persistence and degradability** Contains non readily biodegradable components

**Bioaccumulation** No straightforward conclusion can be drawn based upon the available numerical values.

**Mobility** No data on mobility of the components of the mixture available

**13 DISPOSAL CONSIDERATIONS**

<b>Substance Disposal</b>	Do not dispose of down drains or into local waterways. Recycle or recover whenever possible. Dispose of substance to a hazardous or special waste collection point or through a licensed contractor.
<b>Container Disposal</b>	Recycle if possible, or dispose of to a hazardous or special waste collection point. Pressurised container – do not puncture
<b>Local Legislation</b>	Disposal should be in accordance with Hazardous Substances (Disposal) Regulations 2001, and with any other applicable regional and national laws and regulations.

**14 TRANSPORT INFORMATION****Land Transport (NZS 5433:1999 Transport of Dangerous Goods on Land)**

<b>UN Number</b>	1950
<b>Proper Shipping Name</b>	AEROSOLS
<b>DG Class</b>	2
<b>Subsidiary Risk</b>	
<b>Packing Group</b>	
<b>HAZCHEM Code</b>	2YE

**Marine Transport (IMDG)**

**Identification Number** 1850  
**Proper Shipping Name** AEROSOLS  
**Class / Division** 2.1  
**Packing Group**  
**Marine Pollutant** No

**Air Transport (IATA)**

**UN Number** 1950  
**Proper Shipping Name** AEROSOLS, FLAMMABLE  
**Class / Division** 2.1  
**Packing Group**

**15 REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Environmental Risk Management Authority (ERMA) Group Standard Number:**  
HSNO Approval Number HSR002517 - Aerosols

**Hazardous Substances and New Organisms Act (HSNO):**  
The following are trigger quantities for this substance by itself in a place.

**Approved Handler Test Certificate** 3000L  
**Tracking** Not applicable

**16 OTHER INFORMATION**

**SDS Revisions** Safety Data Sheets are updated at least every 5 years. Obtain the latest version by visiting [www.bostik.co.nz](http://www.bostik.co.nz).  
**Reason for Issue** Update HSNO classification.  
**SDS Distribution** The information in this document should be made available to all who may handle this product.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of this 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 SDS 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 Bostik New Zealand Limited.

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 available upon request.

**Key / Legend**

<b>SDS</b>	Safety Data Sheet
<b>HSNO</b>	Hazardous Substances and New Organisms Act 1996
<b>WES-TWA</b>	The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure
<b>WES-STEL</b>	The 15 minute average exposure standard. This applies to any 15 minute period in a working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to WES-TWA; both the short-term and time-weighted average exposures apply.

**Disclaimer** This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.