

ULTRASET SF BROWN Revision Number 3

Revision date17-Feb-2022Supersedes Date:14-Apr-2019

Section 1: Identification: Produc	t identifier and chemical identity	
Product identifier		
Product Name	ULTRASET SF BROWN	
Product Code(s) 30840110 30604590; 30800516; 30840110; 3	0840208	
Other means of identification		
Pure substance/mixture	Mixture	
Recommended use of the chemical and restrictions on use		
Recommended use	Adhesive	
Uses advised against	No information available	
Details of manufacturer or importer		
Supplier Bostik Australia Pty Ltd 51-71 High Street, Thomastown Victoria Australia Tel: 613 9279-9333 Fax: 613 9279-9342	<u>Manufacturer</u> Bostik Australia Pty Ltd 51-71 High Street, Thomastown Victoria Australia Tel: 613 9279-9333 Fax: 613 9279-9342	
ABN: 79 003 893 838	ABN: 79 003 893 838	
E-mail address	au-bostik-sds@bostik.com	
Emergency telephone number		
Emergency telephone number	24-hr Emergency: 1800 033 111	
Section 2: Hazard(s) identificatio	n	

GHS Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Respiratory sensitization	Category 1 - (H334)
Skin sensitization	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)

Label elements

Exclamation mark Health hazard

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Signal word Danger

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection

Use only outdoors or in a well-ventilated area

Wash face, hands and any exposed skin thoroughly after handling

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing should not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor if you feel unwell

If experiencing respiratory symptoms: Call a POISON CENTER or doctor

Precautionary Statements - Storage

Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards which do not result in classification

No information available.

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

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Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule Number

Label requirements in accordance with SUSMP

POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not applicable

<u>Mixture</u>

Chemical name	CAS No	Weight-%
Polymer, 4,4'-diphenylmethane diisocyanate- polypropylene glycol	9048-57-1	30 - 60
Isocyanic acid, polymethylenepolyphenylene ester, polymer with	53862-89-8	1 - 5%
alphahydroomegahydroxypoly(oxy(methyl-1,2-ethanediyl)]		
4,4'-Methylenediphenyl diisocyanate	101-68-8	< 2%
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	< 1%
Isocyanic acid, polymethylenepolyphenylene ester	9016-87-9	< 1%
Glycidoxypropyltrimethoxysilane	2530-83-8	0 - <10
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures		
Emergency telephone number	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766	
Description of first aid measures		
General advice	Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.	
Inhalation	May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Get immediate medical advice/attention.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.	
Skin contact	May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes.	
Ingestion	May produce an allergic reaction. Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.	
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information. Avoid breathing vapors or mists.	
Most important symptoms and effects, both acute and delayed		
Symptoms	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Difficulty in breathing.	
Indication of any immediate medi	cal attention and special treatment needed	
Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.	

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Section 5: Firefighting measures	
Suitable Extinguishing Media	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the	chemical
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact. May cause sensitization by skin contact.
Hazardous combustion products	Carbon oxides. Carbon dioxide (CO2). Nitrogen oxides (NOx). Hydrogen cyanide. Isocyanates.
Special protective actions for fire-	fighters
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
Section 6: Accidental release mea	sures
Personal precautions, protective e	equipment and emergency procedures
Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapors or mists.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods and material for containn	nent and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.
Precautions to prevent secondary	hazards
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
Section 7: Handling and storage, i	including how the chemical may be safely used
Precautions for safe handling	
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Provide extract ventilation to points where emissions occur. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and

immediately after handling the product.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from moisture.
Recommended storage temperature	Keep at temperatures between 50 and 95 $^\circ F$ / 10 and 35 $^\circ C.$
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.

This material is a scheduled poison and must be stored, maintained and used in accordance with the relevant regulations

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits

Chemical name	Australia
4,4'-Methylenediphenyl diisocyanate	0.02 mg/m³ TWA
101-68-8	0.07 mg/m ³ STEL
Isocyanic acid, polymethylenepolyphenylene ester	0.02 mg/m³ TWA
9016-87-9	0.07 mg/m ³ STEL

Appropriate engineering controls

Engineering controls	Showers, eyewash stations, and ventilation systems.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing.
Hand protection	Wear suitable gloves. Impervious gloves.
Respiratory protection	Wear a respirator conforming to EN 140 with Type A/P2 filter or better. Organic gases and vapors filter conforming to EN 14387.
Environmental exposure controls	No information available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Thixotropic Paste
Color	Brown
Odor	Slight
Odor threshold	Not applicable
Property pH pH (as aqueous solution) Melting point / freezing point Initial boiling point and boiling range	Values No data available No data available No data available No data available

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No data available

Remarks • Method Not applicable Insoluble in water

Flash point

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Evaporation rate Flammability Flammability Limit in Air Upper flammability or explosive limits Lower flammability or explosive limits Vapor pressure Relative vapor density Relative density Water solubility Solubility(ies) Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties	
Other information Solid content (%) Density VOC Content (%)	No information available No information available 0 g/L
Section 10: Stability and reactivity	
<u>Reactivity</u>	
Reactivity	No information available.
Chemical stability	
Stability	Stable under normal conditions.
Explosion data Sensitivity to mechanical impact Sensitivity to static discharge	None.
Possibility of hazardous reactions	
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	
Conditions to avoid	Product cures with moisture. Excessive heat. Protect from moisture.
Incompatible materials	
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous decomposition produc	t <u>s</u>
Hazardous decomposition products	None known based on information supplied.

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information	
Inhalation	Specific test data for the substance or mixture is not available. May cause sensitization in susceptible persons. (based on components). May cause irritation of respiratory tract. Harmful by inhalation.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause sensitization by skin contact. Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. May cause additional affects as listed under "Inhalation". Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Symptoms	Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS documentATEmix (dermal)5,712.20ATEmix (inhalation-dust/mist)4.23

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alphahydroomegahydroxy poly(oxy(methyl-1,2-ethanediyl		LD 50 > 9400 mg/kg (Oryctolagus cuniculus)	-
4,4'-Methylenediphenyl diisocyanate	=31600 mg/kg (Rattus) = 9200 mg/kg (Rattus)	LD 50 > 9400 mg/kg (Oryctolagus cuniculus) OECD 402	=1.5 mg/L (Rattus) 4 h
Benzenesulfonyl isocyanate, 4-methyl-	=2234 mg/kg (Rattus)	LD 50 (Rattus) > 2000 mg/kg OECD 402	>640 ppm (Rattus) 1 h
Isocyanic acid, polymethylenepolyphenylene ester	LD50 > 10000 mg/kg (Rattus)	LD 50 > 9400 mg/kg (Oryctolagus cuniculus)	=1.5 mg/L (Rattus) 4 h
Glycidoxypropyltrimethoxysilan e	=8025 mg/kg (Rattus)	= 4250 mg/kg (Oryctolagus cuniculus)	>5.3 mg/L (Rattus) 4 h

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Classification based on data available for ingredients. Irritating to skin.

Component Information					
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:	Rabbit				Mild skin irritant

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Acute Dermal			
Irritation/Corrosion			

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Component Information					
4,4'-Methylenediphenyl diisocyanate (101-68-8)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye	0.1 mL	24 hours	Non-irritant
Acute Eye					
Irritation/Corrosion					

Glycidoxypropyltrimethoxysilane (2530-83-8)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	Eye			Eye Damage
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitization May cause sensitization by inhalation. May cause sensitization by skin contact.

Component Information					
I,4'-Methylenediphenyl diisocyanate (101-68-8)					
Method	Species	Exposure route	Results		
DECD GD 39 Rat Inhalation Sensitizing					

Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)				
Method	Species	Exposure route	Results	
OECD Test No. 406: Skin	Guinea pig		No sensitization responses	
Sensitization			were observed	
OECD Test No. 429: Skin	Mouse		sensitizing	
Sensitisation: Local Lymph Node				
Assay				

Glycidoxypropyltrimethoxysilane (2530-83-8)				
Method	Species	Exposure route	Results	
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitization responses	
Sensitization			were observed	

Germ cell mutagenicity

No information available.

Carcinogenicity

Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	Australia	European Union	IARC
4,4'-Methylenediphenyl diisocyanate 101-68-8	Carc. 2	Carc. 2	Group 3
Isocyanic acid, polymethylenepolyphenylene ester 9016-87-9	Carc. 2		Group 3

Legend

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

C - 10-		Information	-
Com	ponent	Informatio	n

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yanate- po	olypropylene glycol (904	3-57-1)	
	Species	Results	
nic	Rat	Carcino	genic
xy(methyl-	1,2-ethanediyl)] (53862		
	Species		
nic	Rat		evidence of a carcinogenic
		effect	
(101-68-8)			
OECD Test No. 453: Combined Chronic			evidence of a carcinogenic
		effect	
enylene es			
nic	Rat	Carcino	genic
No inform	ation available		
May caus	e respiratory irritation		
May badb			
May cause damage to organs through prolonged or repeated exposure.			
-		· · ·	
No information available.			
	nic enylene es xy(methyl- nic (101-68-8) nic enylene es nic No inform May caus May caus	Species nic Rat enylene ester, polymer with xy(methyl-1,2-ethanediyl)] (53862) Species nic Rat (101-68-8) Species nic Rat (101-68-8) Species nic Rat enylene ester (9016-87-9) Species Species Species nic Rat No information available. May cause respiratory irritation. May cause damage to organs thropset May cause damage to organs thropset	nic Rat Carcino enylene ester, polymer with xy(methyl-1,2-ethanediyl)] (53862-89-8) Species Results nic Rat Limited (101-68-8) Species Results nic Rat Limited effect enylene ester (9016-87-9) Species Results nic Rat Carcino No information available. No information available. May cause respiratory irritation.

Section 12: Ecological information

Ecotoxicity

Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
4,4'-Methylenediphenyl diisocyanate 101-68-8	ErC50 (72h) >1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	>1000 mg/l (Danio rerio)	-	EC50 (24H) >1000 mg/L Daphnia magna
Isocyanic acid, polymethylenepolypheny lene ester 9016-87-9	ErC50 (72h) >1640 mg/L Algae (scenedesmus subspicatus) (OECD 201)	CL50 (96h) >1000 mg/L (Danio rerio)	-	EC50 (24H) >1000 mg/L Daphnia magna
Glycidoxypropyltrimetho xysilane 2530-83-8	EC50 (96hr): 350 mg/l Pseudokirchneriella subcapitata	LC50 (96h) = 55 mg/L (Cyprinus carpio) OECD 203	-	EC50 (48h) =473 mg/L Daphnia magna

Persistence and degradability

Persistence and degradability

No information available.

Component Information			
4,4'-Methylenediphenyl diisocyanate	(101-68-8)		
Method	Exposure time	Value	Results

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OECD Test No. 302C: Inherent Biodegradability: Modified MITI Tes (II)	28 days t	0% biodegradation	Not readily biodegradable
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)			
Method	Exposure time	Value	Results
OECD Test No. 302C: Inherent	28 days	0% biodegradation	Not readily biodegradable
Biodegradability: Modified MITI Tes	t		

Bioaccumulative potential

Bioaccumulation

(II)

There is no data for this product.

Component Information

Chemical name		Partition coefficient
4,4'-Methylenediphenyl diisocyanate 101-68-8		4.51
Benzenesulfonyl isocyanate, 4-methyl- 4083-64-1		0.6
<u>Mobility</u>		
Mobility in soil	No information available.	
Mobility	No information available.	
Other adverse effects		
Other adverse effects	No information available.	
Section 13: Disposal considerat	ions	
Disposal methods		
Waste from residues/unused products	Dispose of in accordance environmental legislation.	with local regulations. Dispose of waste in accordance with
Contaminated packaging	Do not reuse empty contai	iners.
Section 14: Transport information	on	
ADG_	Not regulated	
ATA_	Not regulated	
IMDG_	Not regulated	
Transport in bulk according to /		nd the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Section 15: Regulator	v information
Section 15. Regulator	y mormation

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

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<u>Australia</u>

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP) **Poison Schedule Number** 6

National pollutant inventory

Subject to reporting requirement

Chemical name	National pollutant inventory
4,4'-Methylenediphenyl diisocyanate	10 tonne/yr Threshold category 1
101-68-8	20 MW Threshold category 2b total
	60000 MWH Threshold category 2b total
	1 tonne/h Threshold category 2a total
	25 tonne/yr Threshold category 1a total
	400 tonne/yr Threshold category 2a total
	2000 tonne/yr Threshold category 2b total

International Inventories	
AIIC	Listed
NZIOC	Listed
ENCS	Not Listed
IECSC	Not Listed
KECL	Not Listed
PICCS	Not Listed

Legend:

AICS - Australian Inventory of Chemical Substances

NZIOC - New Zealand Inventory of Chemicals

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

2015/863/EU - RoHS

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

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Section 16: Any other relevant information	
Prepared By	Product Safety & Regulatory Affairs
Revision date	17-Feb-2022
Revision Note ***Indicates updated data since last publication.	
Key or legend to abbreviations and acronyms used in the safety data sheet	

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION TWA TWA (time-weighted average) Ceiling Maximum limit value С Carcinogen Section 11: TOXICOLOGICAL INFORMATION LD50 (lethal dose) Section 12: Ecological information EC50 (effective concentration)

STEL

STEL (Short Term Exposure Limit) Skin designation

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet