

**1. IDENTIFICATION SUBSTANCE / PREPARATION OF THE & COMPANY**

**PRODUCT NAME:** Bitac® Primer or Bitac®DS Primer (Geofabrics Australasia Pty Ltd)  
**RECOMMENDED USE:** Primer for bitumen adhesive tapes  
**COMPANY:** DENSO (AUSTRALIA) PTY LTD  
**REGULAR TELEPHONE NUMBER:** +61 3 9356 7600  
**EMERGENCY TELEPHONE NUMBER:** **POISONS INFORMATION LINE: 13 11 26 (Australia)**  
**NZ POISONS CENTER: 0800 764 766 (New Zealand)**  
+61 3 9356 7666 or +61 402 867 141  
**ADDRESS:** 77 – 95 National Boulevard, Campbellfield, VIC 3061, AUSTRALIA

**2. HAZARDS IDENTIFICATION**

Classified as hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS).  
Classified as hazardous according to Safe Work Australia.  
Classified as hazardous according to the criteria of the New Zealand HSNO legislation.  
Classified as Dangerous Goods according to Australian Code for the Transport Dangerous Goods by Road and Rail.

**LABELLING INFORMATION**

UN Number: 1999 TARS, LIQUID, including road oils, and cutbacks. ADG Code: Class 3, Flammable.

Hazard Statements:



**GHS02 Flammable**



**GHS07 Health hazards**

H226 - Flammable liquid and vapour, Category 3.  
H312 – Harmful in contact with skin, Category 4.  
H332 – Harmful if inhaled, Category 4.  
H335 – May cause respiratory irritation, Category 3.  
H315 – Causes skin irritation, Category 2.

**GHS Signal word: WARNING**

Precaution Statements:

**Prevention:**

P210: Keep away from heat/sparks/open flames/hot surfaces – no smoking.  
P233: keep container tightly closed.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting and all other equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharges.  
P261: Avoid breathing fume/mist/spray/vapours.  
P264: Wash hands thoroughly after handling.  
P271: Use only outdoors or in well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye and face protection.

**Response:**

P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P322: Specific measures (see Section 4 on this document).  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362: Take off contaminated clothing and wash before use.  
P363: Wash contaminated clothing before use.  
P370+P380: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

**Storage:**

P403+P233+P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container in accordance with local/national regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>PRODUCT CONTAINS:</b>	<b>CAS NUMBER:</b>	<b>CONCENTRATION (W/W) %:</b>
Bitumen	8052-42-4	50-65
Xylene	1330-20-7	30-60

**4. FIRST AID MEASURES**

**GENERAL ADVICE:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**SKIN CONTACT** Wash thoroughly with soap and water. Remove contaminated clothing.

**EYE CONTACT** Immediately irrigate with plenty of water for 15 minutes. Seek medical advice.

**INHALATION** If inhaled, move person into fresh air. Obtain immediate medical assistance if breathing becomes difficult or symptoms persist.

**INGESTION** Rinse mouth. Do not induce vomiting. Seek medical advice immediately.

**SYMPTOMS CAUSED BY EXPOSURE:**  
Ingestion may cause nausea and vomiting. Harmful by inhalation.

**MEDICAL ATTENTION AND SPECIAL TREATMENT:**

No data available

**5. FIREFIGHTING MEASURES**

**EXTINGUISHING MEDIA** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**DO NOT USE** Water jet.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL** Flammable. May be ignited by flame, sparks or non flameproof electrical equipment at temperatures above its flash point. Do not use close to ignition sources or in unventilated areas.  
May produce toxic fumes if burning.  
Bitumen products give off dense vapours when heated strongly. Vapours may cause headaches, dizziness, irregular breathing and confusion when inhaled.

**PROTECTIVE EQUIPMENT** Wear positive-pressure self contained breathing apparatus and fire fighting clothing.

**HAZCHEM CODE** 2W

**6. ACCIDENTAL RELEASE**

**PERSONAL PRECAUTIONS** Ventilate area to accelerate evaporation. Stay upwind. Avoid contact with skin and eyes.  
Eliminate all sources of ignition.  
Wear suitable personal protective equipment. Refer to Section 8 for details.

**ENVIRONMENTAL PRECAUTIONS** Do not allow material to enter water courses. If this should occur alert the relevant authorities.

**METHOD OF CLEANING** For small spills, absorb onto sand, earth or other inert substances. Shovel into suitable containers and dispose of as in Section 13.

For large spills, contain the spill by using booms, etc. Inform regulatory authorities immediately (e.g. Fire Brigade, EPA).

**7. HANDLING AND STORAGE**

**HANDLING**

Ensure adequate ventilation of the working areas. Avoid contact with eyes and skin. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Do not eat, drink or smoke when using.

**STORAGE**

In cool, dry, well ventilated conditions away from sources of ignition. Keep container tightly closed. Store in areas/building designed to comply with the appropriate dangerous goods regulations. Protect from physical damage. Keep container closed when not in use. Do not use pressure to empty drums.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**EXPOSURE LIMITS** **Exposure standards:**

TWA (bitumen vapours): 5 mg/m<sup>3</sup>  
 TWA (xylene – 8 h): 350 mg/m<sup>3</sup>, 80 ppm  
 STEL (xylene – 15 minute) : 655 mg/m<sup>3</sup>, 150 ppm

**BIOLOGICAL LIMIT VALUES** Not allocated.

**ENGINEERING CONTROLS** Ensure adequate ventilation. In confined spaces use exhaust ventilation or suitable respiratory equipment.

**RESPIRATORY PROTECTION** If engineering controls are not effective in controlling airborne exposure, then approved respirator with replaceable mist filter suitable for organic vapours should be used. Reference should be made to Australian/New Zealand standards AS/NZ 1715 and 1716 in order to make any necessary changes to individual circumstances.

**SKIN PROTECTION** Wear suitable chemical resistant gloves, overalls and enclosed footwear.

**EYE/FACE PROTECTION** Use close fitting chemical safety goggles, otherwise use safety glasses fitted with side shields. If splashing is possible use face shield over safety glasses as added protection.

**OTHER** Take precautionary measures against static discharges.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE :</b>	Liquid	<b>EXPLOSION LIMITS :</b>	Not available
<b>COLOUR (S):</b>	Black	<b>VAPOUR PRESSURE:</b>	Not available
<b>ODOUR:</b>	Aromatic	<b>VAPOUR DENSITY:</b>	Not available
<b>ODOUR THRESHOLD:</b>	Not available	<b>SPECIFIC GRAVITY:</b>	Not available
<b>MELTING POINT:</b>	Not available	<b>SOLUBILITY (@25°C):</b>	Insoluble in water Soluble in organic solvents
<b>BOILING POINT:</b>	>136°C (xylene)	<b>PARTITION COEFFICIENT: n-octanol/water</b>	3
<b>pH:</b>	Not applicable	<b>AUTO-IGNITION TEMPERATURE:</b>	>430°C

<b>FLASH POINT:</b>	29°C (closed cup)	<b>DECOMPOSITION TEMPERATURE:</b>	Not available
<b>EVAPORATION RATE:</b>	Not available		
<b>FLAMMABILITY (in air, % vol):</b>	Not available	<b>% VOLATILE ORGANIC COMPOUNDS:</b>	40%

**10. STABILITY AND REACTIVITY**

<b>REACTIVITY</b>	Avoid sparks, flames, heat and sources of ignition
<b>CHEMICAL STABILITY</b>	Flammable liquid
<b>CONDITIONS TO AVOID</b>	Ignition sources, heat, flames, exposure to sunlight
<b>MATERIALS TO AVOID</b>	Strong oxidizers.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon oxides, aliphatic hydrocarbons, aromatic hydrocarbons, nitrogen oxides. Burning produces obnoxious irritating fumes.
<b>HAZARDOUS POLYMERISATION</b>	No data available

**11. TOXICOLOGICAL INFORMATION**

<b>TOXICOLOGY INFORMATION</b>	No data available
<b>POSSIBLE ROUTES OF EXPOSURE</b>	Ingestion, eye contact, skin contact, inhalation
<b>GERM CELL MUTAGENICITY</b>	No data available
<b>CARCINOGENICITY</b>	Not classified as a carcinogen
<b>REPRODUCTIVE TOXICITY</b>	Not classified
<b>STOT-SINGLE EXPOSURE</b>	Liquid and vapour can cause irritation to eyes and skin, respiratory and digestive tracts
<b>STOT-REPEATED EXPOSURE</b>	Over exposure to high vapour concentration may cause irregular breathing, collapse and coma. Prolonged exposure may defat skin resulting in possible irritation and dermatitis.
<b>SYMPTOMS/EFFECTS BOTH ACUTE AND DELAYED</b>	<b>Acute:</b> <u>Ingestion:</u> may cause gastrointestinal disturbance, including irritation, nausea and vomiting <u>Eyes:</u> direct eye contact may cause irritation and or corneal changes <u>Skin:</u> contact with skin may result in skin reactions <u>Inhalation:</u> inhalation of vapours may cause headaches and/or dizziness. Overexposure to vapour may result in respiratory tract irritation.

**12. ECOLOGICAL INFORMATION**

<b>ECO-TOXICITY</b>	No data available
<b>PERSISTENCE AND DEGRADABILITY</b>	No data available
<b>MOBILITY</b>	No data available
<b>BIO-ACCUMULATIVE POTENTIAL</b>	Bioaccumulation: Has the potential to bio-accumulate.
<b>ENVIRONMENTAL PROTECTION</b>	Prevent this material from entering waterways, drains and sewers

### **13. DISPOSAL CONSIDERATIONS**

Do not empty into drains. Contact licensed waste disposal company for disposal.

### **14. TRANSPORT INFORMATION**

This product is a Class 3 Flammable liquid according to the Australian code for the Transportation of Dangerous Goods by Road and Rail (ADG Code).

<b>SPECIAL PRECAUTIONS IN CARRIAGE:</b>	Flammable
<b>UN No (ADG/IMDG/IATA):</b>	1999
<b>PROPER SHIPPING NAME (ADG/IMDG/IATA):</b>	TARS, LIQUID, including road oils, and cutbacks
<b>CLASS:</b>	3
<b>HAZCHEM CODE:</b>	2W
<b>PACKING GROUP:</b>	III
<b>LIMITED QUANTITY (ADG):</b>	5 L
<b>MARINE POLLUTANT</b>	Yes

**MARINE TRANSPORT (IMDG):** Classified as Dangerous Goods by the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**AIR TRANSPORT (IATA):** Classified as Dangerous Goods by the International Air Transport Association (IATA). Dangerous Goods Regulations for transport by air.

For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

### **15. REGULATORY INFORMATION**

#### **REGULATORY INFORMATION**

Classified as hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS).

Classified as hazardous according to Safe Work Australia.

#### **HSNO (NEW ZEALAND) CLASSIFICATION**

Surface Coatings and Colourants (Flammable) Group Standard 2017, (flammable).  
3.1C, 6.1D (dermal), 6.1E (oral), 6.1E (aspiration hazard), 6.3A, 6.4A, 6.8B, 6.9B).



# Safety Data Sheet

## Bitac® & Bitac®DS Primer

### (Geofabrics Australasia Pty Ltd)

Ref: Denso - SDS

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#### **16. OTHER INFORMATION**

**Date reviewed:** 15 February 2018      **Supersedes:** 24 October 2017

##### **Acronyms**

ADG	Australian Dangerous Goods	IATA	International Air Transport Association
ACGIH	American Conference of Governmental Industrial Hygienists	IMDG	International Maritime Dangerous Goods
AICS	Australian Inventory of Chemical Substances	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
HSNO	Hazardous Substances New Organisms	STOT	Specific target organ toxicity
GHS	Globally harmonised system	TWA	Time-weighted average
IARC	International Agency for Research on Cancer	TLV	Threshold limit value

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- End of Safety Data Sheet -