

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
PO Box 76167, Manakau City, Auckland, NEW ZEALAND

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 Exclamation Mark



GHS08 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.
H304 – May be fatal if swallowed and enters airways, Category 1

GHS Signal word: DANGER

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:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER
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

PRODUCT CONTAINS:	CAS NUMBER:	CONCENTRATION (W/W) %:
Bitumen	8052-42-4	40-60
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 with water. Do not induce vomiting. Seek medical advice immediately.

SYMPTOMS CAUSED BY EXPOSURE:

Erythema (skin redness). Coughing and/ or wheezing. Difficulty in breathing. Aspiration risk: may cause lung damage if swallowed.

MEDICAL ATTENTION AND SPECIAL TREATMENT:

Treat symptomatically. Product may be removed from skin using cotton wool pads soaked in castor oil or hand cleaner. Delayed pulmonary edema may occur.

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA Water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.

DO NOT USE Water jet may spread fire.

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. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Pay attention to flashback. Flash back possible over considerable distance. Vapors can form explosive mixtures with air. May produce toxic fumes such as carbon dioxide or carbon monoxide 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

Ventilate area to accelerate evaporation. Stay upwind. Avoid contact with skin and eyes and clothing. Eliminate all sources of ignition.

PERSONAL PRECAUTIONS

Wear suitable personal protective equipment. Refer to Section 8 for details. Evacuate personnel to safe areas. Do not touch or walk through spilled material. Pay attention to flashback. Take precautionary measures against static discharges. Wash thoroughly after handling. See section 8 for more information.

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

Keep 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.

INCOMPATIBLE MATERIALS

Oxidizing agents.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure standards (Safe Work Australia):
TWA (bitumen vapours): 5 mg/m³
TWA (xylene – 8 h): 350 mg/m³, 80 ppm
STEL (xylene – 15 minute): 655 mg/m³, 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

APPEARANCE :	Liquid	EXPLOSION LIMITS :	7% volume (UEL) 0.4% volume (LEL)
COLOUR (S):	Black	VAPOUR PRESSURE:	<3.3 kPa
ODOUR:	Aromatic	VAPOUR DENSITY:	Not available
ODOUR THRESHOLD:	Not available	SPECIFIC GRAVITY:	0.915 @ 25°C
MELTING POINT:	Not available	SOLUBILITY (@25°C):	Insoluble in water Soluble in organic solvents
BOILING POINT:	>136°C (xylene)	PARTITION COEFFICIENT: n-octanol/water	Not available
pH:	Not applicable	AUTO-IGNITION TEMPERATURE:	464°C
FLASH POINT:	29°C (closed cup)	DECOMPOSITION TEMPERATURE:	Not available
EVAPORATION RATE:	Not available		
FLAMMABILITY (in air, % vol):	Not available	% VOLATILE ORGANIC COMPOUNDS:	Not available

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION	Chemical	Oral LD50	Dermal LD50	Inhalation LC50
	Xylene	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 94.4 mg/m ³ (Rat) 4.5 h
	Bitumen	3500 mg/kg (Rat)		
POSSIBLE ROUTES OF EXPOSURE	Ingestion, eye contact, skin contact, inhalation			

GERM CELL MUTAGENICITY	No data available
CARCINOGENICITY	Chronic effects: Xylene has been classified by the International Agency for Research on Cancer (IARC) as a Group 3 agent. Group 3 - The agent is not classifiable as to its carcinogenicity to humans. Mixed xylenes contain ethylbenzene, which has been classified by the International Agency for Research on Cancer (IARC) as a Group 2B agent. Group 2B - The agent is possibly carcinogenic to humans.
REPRODUCTIVE TOXICITY	Not data available.
STOT-SINGLE EXPOSURE	Liquid and vapour can cause irritation to eyes and skin, respiratory and digestive tracts
STOT-REPEATED EXPOSURE	Over exposure to high vapour concentration may cause irregular breathing, collapse and coma. Prolonged exposure may defat skin resulting in possible irritation and dermatitis.
SYMPTOMS/EFFECTS BOTH ACUTE AND DELAYED	Erythema (skin redness). Coughing and/ or wheezing. Difficulty in breathing. Aspiration risk: may cause lung damage if swallowed. Acute: <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

ECO-TOXICITY	No data available
PERSISTENCE AND DEGRADABILITY	No data available
MOBILITY	No data available
BIO-ACCUMULATIVE POTENTIAL	No data available
ENVIRONMENTAL PROTECTION	Prevent this material from entering waterways, drains and sewers

13. DISPOSAL CONSIDERATIONS

Do not empty into drains. Contact licensed waste disposal company for disposal. Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Empty containers should be taken to an approved waste handling site for recycling or 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).

SPECIAL PRECAUTIONS IN CARRIAGE:	Flammable
UN No (ADG/IMDG/IATA):	1999
PROPER SHIPPING NAME (ADG/IMDG/IATA):	TARS, LIQUID
CLASS:	3
HAZCHEM CODE:	2W

PACKING GROUP:	III
LIMITED QUANTITY (ADG):	5 L
MARINE POLLUTANT	No

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.

Poisons schedule (SUSMP): 6

16. OTHER INFORMATION

Date reviewed: 03 February 2023

Supersedes: 15 February 2018

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 -