

Material Safety Data Sheet

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Infosafe No. 2BKBW Issue Date: October 2002 ISSUED by BOSTIK

Product Name: **CARSON SYNTHETIC GRASS ADHESIVE**

Classified as hazardous according to criteria of NOHSC

PRECAUTIONS FOR USE

Exposure Limits No exposure standard is available for the material as such. Exposure standards for the hazardous components are as follows (NOHSC-1995):
n-hexane: TWA: 50ppm (176mg/m³)
hexane (other isomers): TWA: 500ppm (1760mg/m³), STEL: 1000ppm (3500mg/m³)
TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TWAs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TWAs should not be used as fine lines between safe and dangerous concentrations.
STEL is the short term exposure limit and is expressed as the airborne concentration of substances averaged over a period of 15 minutes. This value should not be exceeded at any time during a normal 8-hour working day.

Eng. Controls Use in a well ventilated area only. Ventilation should be sufficient to ensure exposure is as low as practically possible or, at least below the recommended exposure standards. If mechanical ventilation is used it must be appropriate for use with highly flammable materials.
Take precautions against static electricity discharges.

Personal Protection

Protective Equip. Avoid contact with skin and eyes and avoid breathing vapours. The following personal protective equipment is recommended:
Air supplied respirator or organic vapour cartridge mask (complying with Australian Standards AS1715 & AS1716) if ventilation is inadequate or if working in a confined area.
Safety goggles.
Protective PVC rubber gloves.

Flammability

Fire Hazards Highly Flammable

SAFE HANDLING INFORMATION

Storage and Transport

Storage and Transport Keep away from sources of ignition- No smoking.
Store under cool, dry conditions away from oxidising agents.
Keep containers in a well ventilated place.
Classified as a Class 3 (Highly Flammable) material according to the, 'Australian Code for the Transport of Dangerous Goods by Road and Rail', therefore should be stored and transported according to the relevant regulations in each state.

Proper Shipping Name ADHESIVES

EPG Number 3A1

IERG Number 14

Packaging Method 5.9.3#

Spills and Disposal

Spills & Disposal Do not empty into drains.
Shut off all possible sources of ignition. Clean-up personnel to wear appropriate personal protective equipment. Prevent spreading of flammable vapours. Prevent run-off into drains and water-ways. Contain spill using inert absorbent such as sand, earth, vermiculite or similiar. Collect used absorbent in clearly labelled containers for disposal as per statutory regulations. Wash down area where spill occurred.

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Fire/Explosion Hazard

Fire/Explos. Hazard Flammable vapours may travel considerable distances to a source of ignition (heat, sparks, flames).
Keep containers sealed when not in use.
Take precautionary measures against static discharges.
Hazardous decomposition products on burning include: oxides of carbon, smoke and other toxic fumes.
Fire-fighting personnel to wear self-contained breathing apparatus and protective clothing.
Extinguishing media: Foam, dry chemical, carbon dioxide.

Hazardous Reaction Incompatible with strong oxidising agents, acids and alkalis and sources of ignition.

Hazchem Code 3[Y]E

OTHER INFORMATION

Toxicology No toxicity data is available for the material as such.

Environ. Protection This material may be hazardous to the environment, do not discharge to drains or water-ways.

Risk Statement R11 Highly flammable.
R43 May cause sensitization by skin contact.
R62 Possible risk of impaired fertility.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety Statement S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S24/25 Avoid contact with skin and eyes.

Pkg. & Labelling Classified as Schedule Poison (S5), Class 3 flammable liquid and a hazardous substance, therefore should be packed and labelled according to the relevant regulations.

Hazard Category Harmful, Irritant

Manufacturers Advice REASON FOR UPDATE: Change to company name and format and general revision.
SUPERSEDES: Issue dated 4th August, 2001

Technical Data Refer Product Information Bulletin.

Other Information N/A - None Assigned
NOHSC - National Occupational Health & Safety Commission (Worksafe Aust.)

CONTACT POINT

Contact & 24 hour Emergency Telephone
Regulatory Affairs Officer
ph (03) 9279 9320 or
mobile 0419 335 187
...End Of MSDS...

COMPANY DETAILS

Company Name BOSTIK FINDLEY AUSTRALIA PTY LTD (ABN 003 893 838)
Address 51 - 71 High Street Thomastown
VIC 3074
Tel/Fax Tel: 03 9279 9333 Fax: 03 9279 9270

IDENTIFICATION

Product Name CARSON SYNTHETIC GRASS ADHESIVE
Proper Shipping Name ADHESIVES
Other Names Name

Mancode

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	Carson Synthetic Grass Adh., 1lt	277096
	Carson Synthetic Grass Adh., 4lt	277088
	Carson Synthetic Grass Adh., 20lt	276871
UN Number	1133	
DG Class	3	
Packing Group	II	
Hazchem Code	3[Y]E	
Poisons Schedule	S5	
Product Use	A synthetic rubber solvent based adhesive designed for bonding synthetic grass carpet to concrete and split strand fibreglass tape for indoor and outdoor situations which are not constantly wet or submersed.	

Physical Data

Appearance	Thick grey/green paste with solvent odour.
Boiling Point	75°C (initial)
Vapour Pressure	8.65 kPa/20°C
Specific Gravity	approx. 0.88 g/cm ³
Flash Point	-15°C
Flamm. Limit LEL	1%
Flamm. Limit UEL	7%
Solubility in Water	Insoluble

Other Properties

Volatile Component	approx. 50%
Autoignition Temp.	Greater than 200°C
Evaporation Rate	6.0

Ingredients

Ingredients	Name	CAS	Proportion
	Rosin	8050-09-7	1-10 %
	n-Hexane	110-54-3	1-10 %
	Ingredients determined not to be hazardous		to 100%

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed	Harmful if swallowed. Tends to break into a foam if the patient vomits which, if aspirated into the lungs, may lead to lung injury.
Acute - Eye	May be an eye irritant.
Acute - Skin	Contact with skin may result in irritation.
Acute - Inhaled	Harmful by inhalation. High vapour concentrations may cause irritation of the respiratory system and Central Nervous System depression characterised by dizziness and headache. Prolonged exposure to vapours may cause sleepiness and unconsciousness.

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Chronic Repeated or prolonged skin contact can lead to dermatitis. Repeated inhalation or skin exposure to n-hexane can lead to progressive and potentially irreversible peripheral polyneuropathy, a disorder of the peripheral nervous system. Concurrent exposure to methyl ethyl ketone (MEK) and n-hexane will accelerate the appearance of damage due to n-hexane, although MEK alone will not cause the effect. Other isomers of hexane do not cause the effect. Possible risk of impaired fertility. The Rosin component has been reported to cause allergic skin reaction (sensitisation) in susceptible individuals on repeated or prolonged skin contact.

First Aid

Swallowed If swallowed do NOT induce vomiting. Give patient a glass of water to drink and seek medical advice. Do not give anything by mouth to an unconscious person.

Eye Flush with plenty of water for at least 15 minutes. Seek medical attention.

Skin Remove contaminated clothing and footwear. Wash affected area thoroughly with soap and water. If irritation occurs seek medical attention. Launder clothing before reuse.

Inhaled Remove patient to fresh air and seek medical advice.

First Aid Facilities Eye wash and safety shower.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information
