

# SAFETY DATA SHEET

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Date: 08/02/2017

Hazardous according to criteria of worksafe Australia  
**MAX BOND CSS CARPET SEAM SEALER**

Revision: 0

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## 1. Substance/preparation and company identification

### 1.1 Product Identifier

MJS Max Bond CSS Carpet Seal Sealer

### 1.2 Product use and description

Solvent based contact adhesive

### 1.3 Details of the supplier of the safety data sheet

Nexus Adhesives Pty Ltd  
42 Healey Road, Dandenong South.  
Victoria 3175 Australia  
Telephone: +61 3 9706 4022  
Telefax number: +61 3 9706 4122

### 1.4 Emergency telephone number

0417 489 877 [within Australia]

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## 2. Hazard identification

### 2.1 GHS Hazard Classification:

**Hazardous** according to criteria of WHS and ADG codes and regulations.

**Dangerous Goods**

### 2.2 Hazard Statements

H225	Highly flammable liquid and vapour	Cat 2 Liq.
H304	May be fatal if swallowed and enters airways	Cat 1 Asp. Hazard
H315	Causes skin irritation	Cat 2 Skin Irrit.
H319	Causes serious eye irritation	Cat 2A Eye Irrit
H336	May cause drowsiness or dizziness.	Cat 3 STOT SE
H360	May damage fertility or the unborn child.	Toxic to Rep. 1A
H373	May cause damage to organs through prolonged or repeated exposure.	Cat 2 STOT RE
H411	Toxic to aquatic life with long lasting effects	Cat 2 Aq Chronic

### 2.3 Hazard Pictogram

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## 2.3 Signal Word

**Danger**

## 2.4 Precautionary Statements - Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

## 2.5 Precautionary Statements – Response

P312	Call a POISON CENTER/ doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P391	Collect spillage.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P332+313	If skin irritation occurs: Get medical advice/attention.
P337+313	IF eye irritation persists: Get medical advice/attention.
P362+364	Take off contaminated clothing and wash it before reuse.
P370+378	In case of fire: Use ... to extinguish.

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P303+361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 2.6 Precautionary Statements – Storage

P405	Store locked up.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well ventilated place. Keep cool.

## 2.7 Other hazards

P501	Dispose of contents/container in accordance with local/regional/national regulations.
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## 3. Composition/information on ingredients

### Chemical nature

Mixtures

Chemical Name	CAS No.	Conc (%w/w)	Classification
Acetic acid, ethyl ester	141-78-6	< 50%	H225 Highly flammable liquid 2 H319 Serious eye damage/irritation 2A H336 STOT SE 3
Benzene, methyl-	108-88-3	< 50%	H225 Highly flammable liquid and vapour 2 H315 Skin Corrosion/Irritation 2 H360 Toxic to reproduction 1A H373 STOT RE 2
2-methylpentane	107-83-5	< 50%	H225 Highly flammable liquid and vapour 2 H304 Aspiration Hazard 1 H315 Skin Corrosion/Irritant 2 H336 STOT SE 3 H411 Aquatic Chronic 2
Hexane	110-54-3	< 5%	H225 Highly flammable liquid and vapour 2 H304 Aspiration Hazard 1 H315 Skin Corrosion/Irritant 2 H336 STOT SE 3 H361 Toxic to Reproduction 2 H373 STOT RE 2 H411 Aquatic Chronic 2

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## 4. First-aid measures

### 4.1 Description of first aid measures:

#### General advice:

Remove contaminated clothing.

#### If inhaled:

Keep patient calm, remove to fresh air and seek medical attention if breathing becomes difficult. Apply artificial respiration if not breathing, perform CPR if necessary.

#### On skin contact:

Immediately remove contaminated clothing, Wash thoroughly with soap and water. Seek medical attention in event of irritation.

#### On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist without delay.

Removal of contact lenses after an eye injury should be undertaken by skilled personnel.

#### On ingestion:

Rinse mouth immediately and then drink plenty of water, DO NOT induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

#### Advice to doctor:

Treat symptomatically

### 4.2 Most important symptoms and effects, both acute and delayed:

#### If inhaled:

May cause nausea and vomiting

#### On skin contact:

Cause burns. May cause sensitisation by skin contact.

#### On contact with eyes:

Cause burns. Cause severe inflammation and may damage the cornea.

#### On ingestion:

May cause nausea and vomiting.

### 4.3 Indication of any immediate medical attention and special treatment needed

Seek medical attention

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## 5. Fire-fighting measures

### 5.1 Suitable extinguishing media:

Water fog, dry extinguishing media, foam, carbon dioxide.

### 5.2 Special hazards arising from the substance and mixture

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Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may results.

### **5.3 Advice for fire fighters:**

#### **Fire Fighting:**

Alert Fire Brigade and tell them location and nature of hazard.  
Full protective clothing and self-contained breathing apparatus when necessary.  
Prevent, by any means available, spillage from entering drains or water course.  
Use water delivered as a fine spray to control fire and cool adjacent area.  
Avoid spraying water onto liquid pools.

#### **Fire/Explosion Hazard:**

Combustible.  
Moderate fire hazard when exposed to heat or flame.

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## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid accidents, clean up immediately. Slippery when spilt. Personnel involved in the cleanup should wear full protective clothing.

Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area.

### **6.2 Environmental precautions**

Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

### **6.3 Methods and materials for containment and cleaning up**

Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labeled container and dispose of promptly. Recycle if possible.

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## **7. Handling and storage**

### **7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.  
Avoid all personal contact, including inhalation.  
Wear protective clothing when risk of exposure occurs.  
Use in well-ventilated area.  
DO NOT enter confined spaces until atmosphere has been checked.  
DO NOT allow clothing wet with material to stay in contact with skin.  
Store in original containers.

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Keep containers securely sealed.  
No smoking, naked lights or ignition sources.  
Store away from incompatible materials and foodstuff containers.

## 7.2 Conditions for safe storage, including any incompatibilities

### Suitable container:

Metal can or drum  
Packaging as recommended by manufacturer.  
Check all containers are clearly labelled and free from leaks.

### Storage Incompatibility:

Avoid exposure to heat, naked flames and strong oxidising agents. Keep away from ignition sources.

## 7.3 Specific end use

See section 1.2 for further information

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## 8. Exposure controls and personal protection

### 8.1 Control parameters

#### Australian Exposure Standards:

Chemical Name	CAS No.	TWA	STEL
Acetic acid, ethyl ester	141-78-6	1185 mg/m <sup>3</sup> 500 ppm	2375 mg/m <sup>3</sup> 1000 ppm
Benzene, methyl-	108-88-3	191 mg/m <sup>3</sup> 50 ppm	574 mg/m <sup>3</sup> 150 ppm
2-methylpentane	107-83-5	1760 mg/m <sup>3</sup>	3500 mg/m <sup>3</sup>
Hexane	110-54-3	72 mg/m <sup>3</sup> 20 ppm	-

### 8.2 Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### Hand protection:

Suitable chemical resistant safety gloves (PVC)

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Respiration apparatus:

Self-contained breathing apparatus. Suitable half mask respirator with filter P2 (e.g. EN 143)

#### Environmental exposure control:

See section 6 for further information.

#### General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

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## 9. Physical and chemical properties

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Light yellow, opaque
<b>Odour:</b>	Typical hydrocarbon odour
<b>Odour threshold:</b>	No data available
<b>pH value:</b>	Not applicable
<b>Melting/freezing point:</b>	No data available
<b>Initial boiling point:</b>	>50 °C
<b>Flash point:</b>	<-20 °C (Closed cup)
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	Highly Flammable
<b>Vapour pressure:</b>	No data available
<b>Vapour density:</b>	No data available
<b>Relative density:</b>	Approx. 0.86 kg/L
<b>Solubility:</b>	Insoluble in water
<b>Partition coefficient:</b>	No data available
<b>Auto ignition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Specific heat value:</b>	No data available
<b>VOC content:</b>	No data available
<b>% volatile:</b>	No data available
<b>Saturated vapour concentration:</b>	No data available

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## 10. Stability and reactivity

### 10.1 Reactivity

No particular risks of reaction with other substances in normal conditions of use.  
Possible hazardous reaction with strong oxidising agents.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reaction

See Section 7.

### 10.4 Conditions to Avoid

Heat, sparks, open flames, hot surfaces and direct sunlight.

### 10.5 Incompatible materials and possible hazardous reactions

See Section 10.1.

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## 10.6 Hazardous decomposition products

Oxides of carbon, hydrogen chloride and phenolic derivatives

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## 11. Toxicological information

### 11.1 Information on route of exposure and symptoms

#### If inhaled:

May cause respiratory irritation. May cause drowsiness and dizziness, headache, shortness of breath, nausea and fatigue. High concentrations may lead to central nervous system (CNS) effects including incoordination, impaired judgement, unconsciousness and death.

#### On skin contact:

May cause irritation, itching redness and rash by skin contact

#### On contact with eyes:

Eye contact and solvent vapour will cause moderate eye irritation, redness, stinging, tearing and swelling.

#### On ingestion:

May cause gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea. Ingestion may lead to CNS effects similar to inhalation.

### 11.2 Numerical measure of toxicity

#### Benzene, methyl- CAS 108-88-3

LD50 (Oral): > 5000 mg/kg (rat)

LD50 (Dermal): 12124 mg/kg (rabbit)

LC50/4hr (Inhalation): 5320 mg/L (rat)

#### Acetic acid, ethyl ester CAS 141-78-6

LD50 (Oral): 5620 mg/kg (rat)

LC50 (Inhalation): > 1600 mg/L (rat)

### 11.3 Other Hazard information

#### Germ Cell Mutagenicity:

Based on classification principles, the classification criteria are not met.

#### Carcinogenicity:

Methylbenzene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

#### Reproductive Toxicity:

May damage fertility or the unborn child

Methylbenzene is classified by Safe Work Australia as Toxic to Reproduction Category 1.

Hexane is classified by Safe Work Australia as Toxic to Reproduction Category 3.

#### Specific Target Organ Toxicity (STOT) - Single Exposure:



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May cause drowsiness and dizziness

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

May cause damage to organs through prolonged or repeated exposure by inhalation

**Aspiration Hazard:**

May be fatal if swallowed and enters airways.

**Chronic Health Effects:**

Repeated and prolonged occupational overexposure may cause CNS depression leading to unconsciousness and death. Prolonged skin contact may cause skin dryness or cracking and dermatitis.

**Existing Conditions Aggravated by Exposure:**

Exposure to this product may aggravate existing skin conditions such as sensitisation and dermatitis.

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## 12. Ecological information

### 12.1 Ecotoxicity

No information available

### 12.2 Persistence and degradability

No information available

### 12.3 Bioaccumulative potential

No information available

### 12.4 Mobility in soil

No information available

### 12.5 Other adverse effects

No information available

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## 13. Disposal considerations

### 13.1 Safe handling and disposal methods

Dispose of this material and its container, sending them to local company authorised for collection of hazardous waste.

### 13.2 Disposal of any contaminated packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

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## 14. Transport information

### 14.1 UN Number

UN1133

### 14.2 UN proper shipping name

Adhesives containing flammable liquid

### 14.3 Transport hazard class(es)

Class 3 Flammable Liquids

Hazchem 3[Y]E

### 14.4 Packing group

II (ADG, IMDG, IATA)

### 14.5 Environmental hazards

Marine pollutant, fish and tree symbol

### 14.6 Special precautions for users

Transport in secure and safe packaging. Keep all containers upright. Transporter should be aware of emergency procedures in place in case of any accident or leakage. See Section 4-8 for further information.

### 14.7 Hazchem Code

Hazchem 3[Y]E

### 14.8 Other codes

#### ARD/RID

As above

#### IMDG

As above

#### IATA

As above

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## 15. Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product

141-78-6 Acetic acid, ethyl ester

108-88-3 Benzene, methyl-

107-83-5 2-methylpentane

Found on the following regulatory lists:

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Australia Exposure Standards  
Australia Inventory of Chemical Substances (AICS)  
Australia Hazardous Substances Information System – Consolidated Lists  
International Agency for Research on Cancer (IARC) – Agents Classified by the IARC Monographs

## 15.2 Poisons schedule number

5

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## 16. Other information

Any other intended applications should be discussed with the manufacturer.

Revisions:	Date	Sections Reviewed
0	08/02/2017	-

### Contact

Technical	Sales
0417489877	0448395091

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC<sub>50</sub>: Lethal concentration, 50 percent  
LD<sub>50</sub>: Lethal dose, 50 percent  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average  
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)  
Flammable Liquids 4: Flammable liquids – Category 4  
STOT SE: Specific target organ toxicity (single exposure)  
STOT RE: Specific target organ toxicity (repeated exposure)  
Aspiration Hazard 1: Aspiration hazard – Category 1

Asterisk \* in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agree property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.