

# SAFETY DATA SHEET

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Date: 08/02/2017

Hazardous according to criteria of worksafe Australia  
**MAX BOND VSS VINYL SEAM SEALER**

Revision: 0

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## 1. Substance/preparation and company identification

### 1.1 Product Identifier

MJS Max Bond VSS Vinyl Seam Sealer

### 1.2 Product use and description

Solvent based adhesive for welding domestic vinyl sheet flooring seams.

### 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.
H315	Causes skin irritation	Cat 2 Skin Irrit.
H317	May cause an allergic skin reaction	Cat 1 Skin Sens.
H319	Causes serious eye irritation	Cat 2A Eye Irrit
H332	Harmful if inhaled	Cat 4 Acute Tox. (inhalation)
H400	Very toxic to aquatic life	Cat 1 Aq Acute
H410	Very toxic to aquatic life with long lasting effects	Cat 1 Aq Chronic

### 2.3 Hazard Pictogram



Flame

Exclamation  
Mark

Environmental  
Hazard

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## 2.3 Signal Word

**Danger**

## 2.4 Precautionary Statements - Prevention

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.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
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.
P321	Specific treatment (see on this label).
P391	Collect spillage.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+313	If skin irritation/rash 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.
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

P403+235	Store in a well ventilated place. Keep cool.
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## 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

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Paste

Chemical Name	CAS No.	Conc (%w/w)	Classification
Cyclohexanone	108-94-1	< 50%	H226 Flammable liquid and vapour 3 H332 Harmful if inhaled 4
2-Butanone	78-93-3	< 50%	H225 Highly flammable liquid and vapour 2 H319 Causes serious eye irritation 2 H336 May cause drowsiness or dizziness 3
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	< 30%	H315 Causes skin irritation 2 H317 May cause an allergic skin reaction 1 H319 Causes serious eye irritation 2A H400 Very toxic to aquatic life 1 H410 Very toxic to aquatic life with long-lasting effects 1
Non-hazardous ingredients	-	To 100	

## 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:

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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**

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**

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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.

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
Cyclohexanone	108-94-1	100 mg/m3 25 ppm	-
2-Butanone	78-93-3	445 mg/m3 150 ppm	890 mg/m3 300 ppm

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## 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>	Clear, colourless
<b>Odour:</b>	Ketonic 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>	>70 °C
<b>Flash point:</b>	<-5 °C
<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. 0.93 kg/L
<b>Solubility:</b>	Slightly soluble 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

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## 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.

## 10.6 Hazardous decomposition products

Oxides of carbon

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## 11. Toxicological information

### 11.1 Information on route of exposure and symptoms

#### If inhaled:

Harmful if inhaled. Product vapour will also cause respiratory irritation. Symptoms of overexposure may include fatigue, headache, dizziness, shortness of breath and possible nausea. Very high concentrations of product vapour can cause central nervous system depression which may lead to loss of coordination, impaired judgement, and if exposure is prolonged, 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 nausea and vomiting. Ingestion may also lead to aspiration of material into the lungs and central nervous system depression, dizziness, drowsiness, confusion, headache, muscular weakness and loss of consciousness.

### 11.2 Numerical measure of toxicity

#### Cyclohexanone CAS 108-94-1

LD50 (Oral): > 1535 mg/kg (rat)

LD50 (Dermal): 948 mg/kg (rabbit)

LC50/4hr (Inhalation): 8000 mg/L (rat)

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### **2-Butanone CAS 78-93-3**

LD50 (Oral): 3300 mg/kg (rat)

LD50 (Dermal): > 5000mg/kg (rabbit)

### **11.3 Other Hazard information**

#### **Germ Cell Mutagenicity:**

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

#### **Carcinogenicity:**

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

#### **Reproductive Toxicity:**

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

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

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

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

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

#### **Aspiration Hazard:**

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

#### **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:**

No information available.

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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



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## 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

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## **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**

Cyclohexanone	108-94-1
2-Butanone	78-93-3
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8

Found on the following regulatory lists:

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.

<b>Revisions:</b>	<b>Date</b>	<b>Sections Reviewed</b>
0	08/02/2017	-

### **Contact**

#### **Technical**

0417489877

#### **Sales**

0448395091

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

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.

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