

# SAFETY DATA SHEET

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Date: 30/11/2016

Hazardous according to criteria of worksafe Australia  
**MJS POWERHOLD CONTACT ADHESIVE**

**Revision: 0**

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## 1. Substance/preparation and company identification

### 1.1 Product Identifier

MJS Powerhold Contact Adhesive

### 1.2 Product use and description

Solvent based contact adhesive for vinyl skirting and other common flooring materials

### 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 Safe Work Australia classification and labelling for workplace hazardous chemicals

### 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 Tox.
H315	Causes skin irritation	Cat 2 Skin Irrit.
H319	Causes serious eye irritation	Cat 2 Eye Irrit
H336	May cause drowsiness or dizziness	Cat 3 STOT SE
H360	May damage fertility of the unborn child	Cat 1 Repr
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

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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/vapour spray.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash ... 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.
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.

## 2.6 Precautionary Statements – Storage

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

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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

Liquid

Chemical Name	CAS No.	Conc (%w/w)	Classification
Benzene, methyl-	108-88-3	< 50%	H225 Highly flammable liquid and vapour 2 H315 Causes skin irritation 2 H360 May damage fertility of the unborn child 2 H373 May cause damage to organs through prolonged or repeated exposure 2
2-methylpentane	107-83-5	20%	H225 Highly flammable liquid and vapour 2 H304 May be fatal if swallowed and enters airways 1 H315 Causes skin irritation 2 H336 May cause drowsiness or dizziness 3 H411 Toxic to aquatic life with long lasting effects
2-Butanone	78-93-3	10%	H225 Highly flammable liquid and vapour 2 H319 Causes serious eye irritation 2 H336 May cause drowsiness or dizziness 3
n-Hexane	110-54-3	< 5%	H225 Highly flammable liquid and vapour H361 Suspected of damaging fertility or the unborn child H373 May cause damage to organs through prolonged or repeated exposure H304 May be fatal if swallowed and enters airways H411 Toxic to aquatic life with long-

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			lasting effects H315 Causes skin irritation H336 May cause drowsiness or dizziness
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 unless directed to do so by a physician. 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

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

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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 reaction with water, alcohols and detergent solutions.

## 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
Benzene, methyl-	108-88-3	191 mg/m <sup>3</sup> 50 ppm	574 mg/m <sup>3</sup> 191 ppm
2-Butanone	78-93-3	445 mg/m <sup>3</sup> 150 ppm	890 mg/m <sup>3</sup> 300 ppm
n-Hexane	110-54-3	72 mg/m <sup>3</sup> 20 ppm	Not Specified

### 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)

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## **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>	Golden brown
<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>	>40 °C
<b>Flash point:</b>	<-20 °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. 0.87 kg/L
<b>Solubility:</b>	Insoluble
<b>Partition coefficient:</b>	No data available
<b>Auto ignition temperature:</b>	No data available
<b>Viscosity:</b>	brush-able liquid
<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.

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Phosphoric acid: risk of explosion on contact with nitromethane, may react dangerously with alkalis and sodium borohydride.

## **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, oxides of magnesium, hydrogen chloride and chloroprene.

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## **11. Toxicological information**

### **11.1 Information on route of exposure and symptoms**

#### **If inhaled:**

May cause nausea and vomiting, can cause respiratory irritation in some person. The body's response to such irritation can cause further lung damage.

#### **On skin contact:**

May cause sensitisation and inflammation by skin contact. The material can accentuate any pre-existing dermatitis condition. Open cuts, abraded or irritated skin should not be exposed to this material.

Entry into blood-stream through cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

#### **On contact with eyes:**

May cause severe inflammation and may damage the cornea.

#### **On ingestion:**

May cause nausea and vomiting.

### **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 (mouse)

#### **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:

Not classifiable as to its carcinogenicity to humans.



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### **Reproductive Toxicity:**

Suspected of damaging fertility or the unborn child.

Benzene, methyl is classified by Safe Work Australia as Toxic to Reproduction Category 1. n-

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

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

May cause drowsiness and dizziness.

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

May cause damage to organs through prolonged or repeated exposure.

### **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.

May cause damage to liver and kidneys.

### **Existing Conditions Aggravated by Exposure:**

Exposure may aggravate existing dermatitis and skin sensitivity.

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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**

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## **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**

No data available

### **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

Benzene, methyl-	108-88-3
2-methylpentane	107-83-5
2-Butanone	78-93-3
n-Hexane	110-54-3

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.

Revisions:	Date	Sections Reviewed
0	30/11/2016	-

Contact	
Technical	Sales
0417489877	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.