Safety Data Sheet

according to WHS Regulations

Printing date 20.07.2018 Revision: 20.07.2018

1 Identification

Product Name: UHB ULTRA HIGH BOND ADHESIVE PRIMER

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Primer, adhesion promoter

Details of Manufacturer or Importer:
Injection Moulding Australia Pty Ltd
102, Enterprise Street,
Kunda Park,
Queensland, 4556,
Australia

Phone Number: +61 (0)7 5456 4277

Emergency telephone number: +61 (0)7 5456 4277

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).


flame

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.


health hazard

Aspiration Hazard 1	H304	May be fatal if swallowed and enters airways.


environment

Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.

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Acute Toxicity (Dermal) 4	H312	Harmful in contact with skin.
Acute Toxicity (Inhalation) 4	H332	Harmful if inhaled.
Skin Corrosion/Irritation 2	H315	Causes skin irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.

Signal Word Danger

Hazard Statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing 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.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

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3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 110-82-7	Cyclohexane Flammable Liquids 2, H225; Aspiration Hazard 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Corrosion/Irritation 2, H315; STOT SE 3, H336	40 - 55%
CAS: 1330-20-7	Xylene Flammable Liquids 3, H226; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; STOT SE 3, H335	30 - 40%
CAS: 67-63-0	Propan-2-ol Flammable Liquids 2, H225; Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H336	1 - 8%

Additional information:
This product also contains:
Acrylate polymer (CAS No. not supplied): 2 - 7 %
Epoxy resin (CAS No. not supplied): 0.8 - 1 %

4 First Aid Measures

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

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Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: Harmful if inhaled. May cause respiratory irritation, coughing, sneezing, nasal discharge, headache and hoarseness. May cause drowsiness and dizziness.
Skin Contact: Harmful in contact with skin. Causes skin irritation, redness and swelling.
Eye Contact: May cause eye irritation, redness, swelling, tearing and hazy vision.
Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be fatal if swallowed and enters airways.

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5 Fire Fighting Measures

Suitable Extinguishing Media:
Water fog, foam, dry chemical powder or carbon dioxide. Do not use full water jets.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon and unidentified organic compounds.
Extremely flammable aerosol. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.
Containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
In case of a leak, remove containers to a well-ventilated or outdoors area and discharge the gas to the atmosphere. Allow the gas to dissipate. Water fog can be used to dissipate vapour. Prevent from accumulating in low areas or basements.
Absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area. This product may present an asphyxiation hazard in confined spaces. Do not use in confined spaces.

Take precautionary measures against static discharge. Do not pressurise, cut, drill or weld full or empty containers. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Protect containers from physical damage. Inspect regularly for damage or leaks. Protect from heat, sparks, open flames and other sources of ignition. Do not store above 49 °C. Keep away from strong oxidising agents, strong acids, strong bases and some amines. Do not store in confined spaces.

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8 Exposure Controls and Personal Protection

Exposure Standards:	
CAS: 110-82-7 Cyclohexane	
WES	STEL: 1050 mg/m³, 300 ppm TWA: 350 mg/m³, 100 ppm
CAS: 1330-20-7 Xylene	
WES	STEL: 655 mg/m³, 150 ppm TWA: 350 mg/m³, 80 ppm
CAS: 67-63-0 Propan-2-ol	
WES	STEL: 1230 mg/m³, 500 ppm TWA: 983 mg/m³, 400 ppm

Engineering Controls:
Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:
Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Laminated film or nitrile gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Amber coloured
Odour:	Solvent-like aromatic odour, similar to benzene.
Odour Threshold:	No information available
pH-Value:	5 - 6
Melting point/freezing point:	Not applicable
Initial Boiling Point/Boiling Range:	110.6 °C
Flash Point:	-7 °C
Flammability:	Extremely flammable aerosol.
Ignition Temperature	535 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	1.2 %
Upper:	7 %

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Vapour Pressure at 30 °C:	4.89 hPa
Relative Density:	0.82
Vapour Density:	3.14
Evaporation Rate:	~6.4
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	30 - 40 cP

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition. Do not store above 49 °C.

Incompatible Materials: Strong oxidising agents, strong acids, strong bases and selected amines.

Hazardous Decomposition Products: Oxides of carbon and unidentified organic compounds.

11 Toxicological Information

Toxicity:

LD_{50} /LC_{50} Values Relevant for Classification:		
CAS: 110-82-7 Cyclohexane		
Oral	LD_{50}	12,705 mg/kg (rat)
CAS: 1330-20-7 Xylene		
Oral	LD_{50}	1,590 mg/kg (mouse) 4,300 mg/kg (rat)
Dermal	LD_{50}	2,000 mg/kg (rabbit)
Inhalation	LC_{50} /4 h	6,350 mg/l (rat)
CAS: 67-63-0 Propan-2-ol		
Oral	LD_{50}	5,045 mg/kg (rat)
Dermal	LD_{50}	12,800 mg/kg (rabbit)
Inhalation	LC_{50} /4 h	30 mg/l (rat)

Acute Health Effects
Inhalation:
Harmful if inhaled. May cause respiratory irritation, coughing, sneezing, nasal discharge, headache and hoarseness. May cause drowsiness and dizziness.
Skin: Harmful in contact with skin. Causes skin irritation, redness and swelling.
Eye: May cause eye irritation, redness, swelling, tearing and hazy vision.
Ingestion:
May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be fatal if swallowed and enters airways.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

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Carcinogenicity:
Xylenes and isopropyl alcohol are 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:
May cause drowsiness and dizziness.
May cause respiratory irritation.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: May be fatal if swallowed and enters airways.

Chronic Health Effects:
Repeated or prolonged skin exposure may cause skin dryness and irritation. High concentrations or prolonged exposure may cause CNS effects such as incoordination, sensory loss, fatigue, loss of appetite and emotional changes. May cause kidney and liver damage.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:
Very Toxic to aquatic life with long lasting effects.

CAS: 110-82-7 Cyclohexane	
EC_{50} /48 h	0.93 mg/l (crustacea)
EC_{50} /72 h	9.32 mg/l (algae)
LC_{50} /96 h	4.53 mg/l (fish)
CAS: 1330-20-7 Xylene	
EC_{50}	>1-10 mg/l (bacterial) >1-10 mg/l (scenedesmus subspicatus)
EC_{50} /48 h	3.1 mg/l (daphnia)
LC_{50}	86 mg/l (leuciscus idus)
CAS: 67-63-0 Propan-2-ol	
EC_{50} /48 h	100 mg/l (daphnia)
EC_{50} /72 h	100 mg/l (scenedesmus subspicatus)
LC_{50} /96 h	1,400 mg/l (bluegill) 9,640 mg/l (fathead minnow)
LC_{50} /48 h	8,970 mg/l (golden orfe)

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.
Other adverse effects: No further relevant information available.

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13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number

ADG, IMDG, IATA	UN1950

Proper Shipping Name

ADG, IMDG, IATA	AEROSOLS

Dangerous Goods Class

ADG Class:	2.1
Packing Group:	Not applicable
Marine pollutant:	Yes Symbol (fish and tree)
EMS Number:	F-D,S-U
Hazchem Code:	Not applicable
Special Provisions:	63, 190, 277, 327, 344, 381
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P207, LP200
Packagings & IBCs - Special Packing Provisions:	PP87, L2

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 110-82-7	Cyclohexane
CAS: 1330-20-7	Xylene
CAS: 67-63-0	Propan-2-ol

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 20.07.2018

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

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_{50} : Lethal concentration, 50 percent
LD_{50} : 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)
Aerosol 1: Aerosols – Category 1

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Flammable Liquids 2: Flammable liquids – Category 2
Flammable Liquids 3: Flammable liquids – Category 3
Acute Toxicity (Dermal) 4: Acute toxicity – Category 4
Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration Hazard 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

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