

Safety Data Sheet

according to WHS Regulations

Printing date 11.10.2018

Revision: 11.10.2018

1 Identification

Product Name: TITEBOND II PREMIUM WOOD GLUE, MULTIBOND EZ-2

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Adhesive

Details of Manufacturer or Importer:

Woodbond Adhesives
6-8 Mt Barker Rd,
Totness SA 5250

Phone Number: 1300 133 439

Emergency telephone number: 1300 133 439

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).



corrosion

Skin Corrosion/Irritation 1B H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 7446-70-0	Aluminium chloride, anhydrous	 Skin Corrosion/Irritation 1B, H314	1 - 5%
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	 Serious Eye Damage/Irritation 2A, H319	1 - 5%

(Contd. on page 2)

Safety Data Sheet

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Revision: 11.10.2018

Product Name: TITEBOND II PREMIUM WOOD GLUE, MULTIBOND EZ-2

(Contd. of page 1)

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. It may be dangerous for the person providing aid to give mouth-to-mouth resuscitation. Seek immediate medical attention.

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. Remove contact lenses, if present and easy to do. 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: May cause respiratory irritation.

Skin Contact: Causes severe skin burns and redness.

Eye Contact: Causes serious eye damage, redness and watering.

Ingestion: May cause irritation to the mouth, throat and stomach.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and metals and halogenated compounds.

Closed 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, chemical resistant gloves, protective clothing and safety boots.

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:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Small spills can be diluted with water and mopped up. Collect the spilled material and place into a suitable container for disposal.

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. Take precautionary measures against static discharge.

Empty containers may retain product residue. Do not reuse container.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

(Contd. on page 3)



Safety Data Sheet according to WHS Regulations

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Revision: 11.10.2018

Product Name: TITEBOND II PREMIUM WOOD GLUE, MULTIBOND EZ-2

(Contd. of page 2)

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Contaminated work clothing must not be allowed out of the workplace. 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. Keep in original container. Opened containers must be carefully resealed and stored upright to prevent leakage. Protect from extreme temperatures and direct sunlight. Store at 10 - 32 °C.

8 Exposure Controls and Personal Protection

Exposure Standards:

CAS: 7446-70-0 Aluminium chloride, anhydrous

WES	TWA: 2 mg/m ³ as Al
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Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Use an approved air-purifying or air-fed 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:

Chemical resistant impervious 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:	Light yellow
Odour:	Faint
Odour Threshold:	No information available
pH-Value:	2.3 - 3.3
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	100 °C
Flash Point:	>93.3 °C (Setaflash)
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available

(Contd. on page 4)



Safety Data Sheet according to WHS Regulations

Printing date 11.10.2018

Revision: 11.10.2018

Product Name: TITEBOND II PREMIUM WOOD GLUE, MULTIBOND EZ-2

(Contd. of page 3)

Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	1.09
Vapour Density:	No information available
Evaporation Rate:	<1 (Butyl acetate = 1)
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
VOC:	33 g/L

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: Extreme temperatures and direct sunlight.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: Oxides of carbon and metals and halogenated compounds.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 7446-70-0 Aluminium chloride, anhydrous

Oral	LD ₅₀	3450 mg/kg (rat)
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CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD ₅₀	4500 mg/kg (rat)
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Dermal	LD ₅₀	2700 mg/kg (rabbit)
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Acute Health Effects

Inhalation: May cause respiratory irritation.

Skin: Causes severe skin burns and redness.

Eye: Causes serious eye damage, redness and watering.

Ingestion: May cause irritation to the mouth, throat and stomach.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

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.

Carcinogenicity: May cause cancer.

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.

(Contd. on page 5)



Safety Data Sheet

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Revision: 11.10.2018

Product Name: TITEBOND II PREMIUM WOOD GLUE, MULTIBOND EZ-2

(Contd. of page 4)

Chronic Health Effects:

Repeated or prolonged skin exposure may cause skin dryness, de-fatting and cracking leading to dermatitis.

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:

Aquatic toxicity:

CAS: 7446-70-0 Aluminium chloride, anhydrous

EC ₅₀ /48 h	1.5 mg/l (crustacea)
EC ₅₀ /72 h	10.02 mg/l (scenedesmus subspicatus)
EC ₅₀ /96 h	0.46 mg/l (pseudokirchnerie lla subcapitata)
LC ₅₀ /96 h	0.61 mg/l (rainbow trout)
LC ₅₀ /48 h	3.65 mg/l (daphnia)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

EC ₅₀	>100 mg/l (algae)
EC ₅₀ /48 h	>100 mg/l (daphnia)
LC ₅₀ /96 h	1,300 mg/l (lepomis macrochirus)
LC ₅₀	>100 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.

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	UN2581
Proper Shipping Name ADG, IMDG, IATA	ALUMINIUM CHLORIDE SOLUTION
Dangerous Goods Class ADG Class:	8 Corrosive substances.
Packing Group: ADG, IMDG, IATA	III
EMS Number:	F-A,S-B
Hazchem Code:	2X
Special Provisions:	223

(Contd. on page 6)



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(Contd. of page 5)

Limited Quantities: 5L
Packagings & IBCs - Packing Instruction: P001, IBC03, LP01
Portable Tanks & Bulk Containers - Instructions: T4
Portable Tanks & Bulk Containers - Special Provisions: TP1

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 7446-70-0	Aluminium chloride, anhydrous
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol

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

16 Other Information

Date of Preparation or Last Revision: 11.10.2018

Prepared by:

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)
VOC: Volatile Organic Compounds
LC₅₀: Lethal concentration, 50 percent
LD₅₀: 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)
Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

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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