

# **ADHESIVE TECHNOLOGIES NZ LTD.** **Safety Data Sheet**

**PRODUCT NAME:** WEST SYSTEM® 206

**ISSUE DATE:** 31/03/2021 **REVISION:** 2.2

## 1. Product and Company Identification

<b>Product Name</b>	WEST System® 206		
<b>Product Code</b>	206		
<b>Recommended uses</b>	Construction of fibre reinforced equipment and fittings. Suitable for construction of recreational water craft. Corrosion resistant flooring and coatings.		
<b>Company</b>	<b>Adhesive Technologies NZ Ltd</b>		
<b>Street Address</b>	17 Corban Avenue Henderson Auckland		
<b>Telephone</b>	+64 9 838 6961		
<b>Emergency Contact numbers</b>	<b>National Poisons Centre</b> 0800 764 766 (0800 POISON)	<b>Other Countries</b> 0064 3 479 7248	<b>New Zealand Fire Service—</b> 111

## 2. Hazards Identification

### HSNO Classification

6.1C	(dermal) Acutely toxic
6.1C	(oral) Acutely toxic
6.5B	(contact) Contact sensitisers
6.8B	Suspected human reproductive or developmental toxicants
6.9A	(oral) Toxic to human target organs or systems
6.9B	(dermal) Harmful to human target organs or systems
8.2C	Corrosive to dermal tissue
8.3A	Corrosive to ocular tissue
9.1B	(algal) Very ecotoxic in the aquatic environment
9.1C	(crustacean) Harmful in the aquatic environment
9.3B	Ecotoxic to terrestrial vertebrates

**Signal Word: DANGER**

### GHS Classification

Acute toxicity: Oral	Category 3
Acute toxicity: Skin	Category 3
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 1
Skin corrosion/irritation	Category 1C
Serious eye damage/eye irritation	Category 1
Aquatic toxicity (Chronic):	Category 2
Ecotoxic to terrestrial vertebrates	

### Hazard Symbols



### Hazard statements

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child
H373	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects.
H432	Toxic to terrestrial vertebrates.

### Precautionary statements

#### Prevention

P202	Do not handle until all safety precautions have been read and understood.
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- P261 Avoid breathing vapours  
 P264 Wash hands thoroughly after handling  
 P270 Do not eat, drink or smoke when using this product  
 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 and face protection

**Response**

- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position 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.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P361 Remove/Take off immediately all contaminated clothing.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.

**Storage**

- P405 Store locked up

**Disposal**

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

**3. Composition/Information on Ingredients**

Chemical Name	CAS no.	Weight %
Isophoronediamine	2855-13-2	50-60
Teta, reaction products with phenol /formaldehyde	32610-77-8	20-30
Triethylenetetramine	112-24-3	5-10
Phenol	108-95-2	5-10
Other ingredients determined not to be hazardous		To 100

**4. First Aid**

- Inhalation** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.  
**Skin Contact** Remove contaminated clothing/shoes and wipe excess from skin. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.  
**Eye contact** Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.  
**Ingestion** Do not induce vomiting. Rinse mouth with water. Give plenty of water to drink.  
**Treatment** Treat symptomatically

**5. Fire-fighting Measures**

- Extinguishing Media** Use water fog, foam, dry chemical or carbon dioxide.  
**Extinguishing Media to Avoid** Do not use direct water stream. May spread fire

<b>Hazardous Combustion Products</b>	In case of fire, the following hazardous smoke fumes may be produced: Carbon Oxides, Nitrous gases, ammonia.
<b>Fire Fighting Procedures</b>	Clear fire area of all non-emergency personnel. Isolate fire and deny unnecessary entry. Cool fire exposed containers with water. Irritating fumes are released in fire situations. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Do not allow material or run-off to enter waterways. Stay upwind, keep out of low areas.
<b>Fire-fighting equipment</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location
<b>HAZCHEM</b>	2X

## 6. Accidental Release Measures

<b>General Precautions</b>	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.
<b>Personal Precautions</b>	Use cautious judgement when cleaning up spills. Shut off leaks, if possible without personal risk.
<b>Environmental Precautions</b>	Dike and Contain. Contain run-off and dispose of properly. Remove contaminated soil to remove contaminated trace residues. Prevent from entering into drains, ditches or rivers.
<b>Clean-up Methods (small)</b>	Soak up with an absorbent material such as clay, sand, sawdust or Zorball. Place in non-leaking container. Seal tightly for proper disposal.
<b>Clean-up Methods (large)</b>	Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent material such as clay, sand, sawdust or Zorball. Place in non-leaking container. Seal tightly for proper disposal. Flush area with water to remove trace residue.

## 7. Handling and Storage

<b>Handling</b>	Keep out of reach of children. Put on appropriate PPE (see section 8). Causes skin irritation and sensitivity. Avoid contact with skin, eyes and clothing. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Do not breathe vapour or mist. Clean up spilled material immediately, and wash clothes, equipment and work area after use.
<b>Storage</b>	Store in a cool, dry place with adequate ventilation. Keep containers closed when not in use.

## 8. Exposure Controls / Personal Protection

<b>Workplace Exposure Standards</b>	None established
<b>Engineering controls</b>	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants as low as possible and/or below any recommended or statutory limits. Use explosion-proof ventilation equipment.
<b>Personal Protection</b>	<p><b>Respiratory</b> - Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.</p> <p><b>Skin</b> - Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</p> <p><b>Eye</b> - Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.</p> <p><b>Hand</b> - Recommended: polyvinyl alcohol (PVA), Butyl rubber, EVAL, Neoprene.</p>

**9. Physical and Chemical Properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Amber
<b>Odour</b>	Sweet odour
<b>pH</b>	Not available
<b>Vapour pressure</b>	82 Pa (4.5 mm Hg)
<b>Vapour density</b>	0.0157 hPa at 20 °C
<b>Boiling Point</b>	Not available
<b>Melting/Freezing Point</b>	Not available
<b>Solubility (water)</b>	Soluble
<b>Specific Gravity/Density</b>	0.98g/cm <sup>3</sup> [25°C (77°F)]
<b>Flash Point</b>	110°C (closed cup)
<b>Flammable Limits</b>	LFL: Not available UFL: Not available
<b>Auto-ignition</b>	>300°C

**10. Stability and Reactivity**

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Avoid temperatures above 300°C. Potentially violent decomposition can occur, causing gas generation and pressure increases in closed systems.
<b>Materials to avoid</b>	Reactive or incompatible with the following materials: oxidizing materials. Slightly reactive or incompatible with the following materials: acids and alkalis.
<b>Hazardous Decomposition Products</b>	Decomposition products may include the following materials: carbon oxides, phenolics and water.

**11. Toxicological Information****Potential Health effects**

<b>Inhalation</b>	No data is available on the product itself.
<b>Ingestion</b>	No data is available on the product itself.
<b>Skin</b>	Moderate skin irritation
<b>Eye</b>	Severe eye irritation.

**Acute Health Effects**

(Isophoronediamine)

Test	Species	Result	Exposure
LD50 Oral	Rat	1,030 mg/kg	-
LC50 Inhalation	Rat	> 5.01 mg/l	4 h
LD50 Dermal	Rat	> 2,000 mg/kg	-

<b>Systemic Effects</b>	Except for Skin sensitization, repeated exposure is not likely to cause significant adverse effects.
<b>Carcinogenicity</b>	No data is available on the product itself.
<b>Mutagenicity</b>	No data is available on the product itself.

**12. Ecological Information**

(Isophoronediamine)

<b>Ecotoxicity</b>	Material is toxic to aquatic organisms on an acute basis
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	Species	Period	Result
LC50	Golden orfe	96 h	110 mg/l
EC50	water flea	48 h	23 mg/l
EC50	green algae	72 h	37 mg/l

EC10	Pseudomonas putida	18 h	1,120 mg/l
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<b>Degradability</b>	Under OECD guidelines this material cannot be considered as readily degradable.
<b>Bioaccumulation</b>	Moderate
	Log P <sub>ow</sub> = 0.99 at 23 °C
<b>HSNO Classification</b>	<b>9.1B</b> (algal) Very ecotoxic in the aquatic environment
	<b>9.1C</b> (crustacean) Harmful in the aquatic environment
	<b>9.3B</b> Ecotoxic to terrestrial vertebrates

### 13. Disposal Considerations

#### Disposal

*DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.* All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations.

*FOR UNUSED AND UNCONTAMINATED PRODUCT,* the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other destruction device.

### 14. Transport Information

#### Road, Rail, Sea and Air Transport

<b>UN Number</b>	2735
<b>Proper Shipping name</b>	Polyamines, liquid, corrosive, n.o.s. (mixture contains isophoronediamine)
<b>DG Class</b>	8
<b>Packing Group</b>	III
<b>HAZCHEM code</b>	2X
<b>IMO/IMDG class</b>	8
<b>ICAO/IATA class</b>	8
<b>EMS code</b>	F – A, S – B
<b>Marine pollutant</b>	Yes

### 15. Regulatory Information

<b>ERMA NZ Approval code</b>	HSR002658
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### 16. Other Information

FOR FURTHER PRODUCT INFORMATION CALL ADHESIVE TECHNOLOGIES NZ LTD DURING BUSINESS HOURS

**Product Information Manager** (+64) 9 838 6961

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