













# SAFETY DATA SHEET

## TOTALBOAT FLEXEPOX EPOXY HARDENER

Cashew nutshell liquid	Not available	500 mg/kg	>2,000 mg/kg
Triethylenetetramine	Not available	2,500 mg/kg	550 mg/kg
2,4,6-Tris(dimethylaminomethyl)phenol	Not available	2,169 mg/kg	Not available
1,3-Benzenedimethanamine	Not available	930 mg/kg	2,000 mg/kg

### CORROSION / IRRITATION / SENSITIZATION INFORMATION:

<b>SKIN CORROSION/IRRITATION:</b>	Skin corrosion – Category 1
<b>SERIOUS EYE DAMAGE/IRRITATION:</b>	Eye damage – Category 1
<b>RESPIRATORY OR SKIN SENSITIZATION:</b>	Skin sensitization – Category 1

### CARCINOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICOLOGY INFORMATION:

<b>GERM CELL MUTAGENICITY:</b>	Information is not available.
<b>CARCINOGENICITY:</b>	Information is not available.
<b>REPRODUCTIVE TOXICITY:</b>	Information is not available.

### SPECIFIC TARGET ORGAN TOXICITY (STOT):

<b>STOT-SINGLE EXPOSURE:</b>	Information is not available.
<b>STOT-REPEATED EXPOSURE:</b>	Information is not available.

**ASPIRATION HAZARD:** Information is not available.

**OTHER INFORMATION:** Additional information is not available.

## SECTION 12. ECOLOGICAL INFORMATION

### TOXICITY:

CHEMICAL NAME	TEST	SPECIES	RESULT
ATBN Polymer	LC50 (96 hrs)	Fish	2,190 mg/L
	EC50 (48 hrs)	Invertebrates	58 mg/L
	EC50 (72 hrs)	Algae	>1,000 mg/L
Cashew nutshell liquid	EC50	Algae	1,300 mg/L
	LL50	Fish	1,000 mg/L
Triethylenetetramine	Not available		
2,4,6-Tris(dimethylaminomethyl)phenol	LC50 (24 hrs)	Rainbow Trout	222 mg/L
	EC50 (96 hrs)	Grass Shrimp	718 mg/L
	EC50 (72 hrs)	Scenedesmus Subspicatus	84 mg/L
1,3-Benzenedimethanamine	LC50	Golden Orfe	130 mg/L
	EC10	Bacteria	90 mg/L

### PERSISTENCE AND DEGRADABILITY:

CHEMICAL NAME	TEST	PERIOD	RESULT
ATBN Polymer	Not readily biodegradable		
Cashew nutshell liquid	Not available		
Triethylenetetramine	Not available		
2,4,6-Tris(dimethylaminomethyl)phenol	Not available		
1,3-Benzenedimethanamine	OECD 301B Ready Biodegradability – CO2 Evolution Test		49%



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## TB/FLEX HARDENER

### BIOACCUMULATIVE POTENTIAL:

CHEMICAL NAME	Log P <sub>ow</sub>	BCF	POTENTIAL
ATBN Polymer	Not available	Not available	Not available
Cashew nutshell liquid	Not available	Not available	Not available
Triethylenetetramine	Not available	Not available	Not available
2,4,6-Tris(dimethylaminomethyl)phenol	Not available	Not available	Not available
1,3-Benzenedimethanamine	Not available	Not available	Not available

### MOBILITY IN SOIL:

CHEMICAL NAME	SOIL/WATER PARTITION COEFFICIENT (K <sub>oc</sub> )
ATBN Polymer	Not available
Cashew nutshell liquid	Not available
Triethylenetetramine	Not available
2,4,6-Tris(dimethylaminomethyl)phenol	Not available
1,3-Benzenedimethanamine	Not available

**OTHER ADVERSE EFFECTS:** Additional information is not available

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## SECTION 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHODS:** Dispose of unused contents (incineration) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate. See section 8 for recommendations on the use of personal protective equipment.

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## SECTION 14. TRANSPORTATION INFORMATION

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### UN NUMBER:

**UN PROPER SHIPPING NAME:** Not regulated

### TRANSPORT HAZARD CLASS:

<b>U.S. DOT HAZARD CLASS:</b>	Not dangerous goods
<b>CANADA TDG HAZARD CLASS:</b>	Not dangerous goods
<b>EUROPE ADR/RID HAZARD CLASS:</b>	Not dangerous goods
<b>IMDG CODE (OCEAN) HAZARD CLASS:</b>	Not dangerous goods
<b>ICAO/IATA (AIR) HAZARD CLASS:</b>	Not dangerous goods

### PACKING GROUP:

### ENVIRONMENTAL HAZARDS:

<b>MARINE POLLUTANT:</b>	No
<b>HAZARDOUS SUBSTANCE (USA):</b>	No

**SPECIAL PRECAUTIONS FOR USER:** Information is not available.

**TRANSPORTING IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:**  
Information is not available.

### LABEL FOR CONVEYANCE:



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## TB/FLEX HARDENER

**OTHER INFORMATION:** Not available

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### SECTION 15. REGULATORY INFORMATION

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**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION:**

EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorization, Substances of very high concern	None of the components are listed.
Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	None of the components are listed.

**OTHER REGULATIONS:** Additional information is not available.

**CHEMICAL INVENTORIES:**

Canadian Domestic Substances List (DSL):	Y
Canadian Non-Domestic Substances List (NDSL):	N
European Inventory of Existing Chemical Substances (EINECS):	Y
European List of Notified Chemical Substances (ENCS):	N
U.S. Toxic Substances Control Act (TSCA):	Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed.

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### SECTION 16. OTHER INFORMATION

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**REVISION DATE:** November 6, 2015

**LEGEND:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- ADR/RID: European dangerous goods transport road and rail regulations
- CAS No: Chemical Abstract Service Registry Number
- DOT: Department of Transportation (U.S.)
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods code
- OEL: Occupational Exposure Limits
- OSHA: Occupational Safety and Health Administration (U.S.)
- PEL: Permissible Exposure Limit
- RQ: Reportable Quantity
- SDS: Safety Data Sheet
- STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
- TDG: Canadian Transportation of Dangerous Goods Act and Regulations
- UN: United Nations
- U.S.: United States

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