

## 1. Identification

- **Product identifier:** SX-230-001B
- **Trade name:** SpectruMix® W-10 Component B
- **Item number(s):** SX-230-001B
- **MSDS Number:** 503
- **UPC bar code(s):** 0708828992872
- **Application of the substance / the mixture** Waterproofing Resin
- **Manufacturer/Supplier:**  
Spectrum Boards, Inc.  
Spectrum Waterproofing Boards and Systems  
1008 Grand Blvd.  
Deer Park, NY 11729  
[www.spectrumboards.com](http://www.spectrumboards.com)
- **Information department:** email: info@spectrumboards.com Tel: 631-474-1511
- **Emergency telephone number:**

## 2. Hazard(s) Identification

### • Classification of the substance or mixture:



GHS07

Acute Toxicity (Inhalation) - Category 4	H332	Harmful if inhaled.
Skin Sensitizer - Category 1	H317	May cause an allergic skin reaction.
Specific Target Organ Toxicity - Single Exposure – Category 3	H335	May cause respiratory irritation.

### • Label elements

#### • GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### • Signal word: Warning

#### • Hazard-determining components of labeling:

Poly(3-isocyanatomethyl- 3,5,5-trimethylcyclohexylisocyanate)

hexamethylene-di-isocyanate

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

#### • Hazard statements:

Harmful if inhaled.

May cause an allergic skin reaction.

May cause respiratory irritation.

#### • Precautionary statements:

Avoid breathing mist/vapours/spray.

Wear protective gloves / eye protection.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

IF INHALED: Call a doctor if you feel unwell.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
If skin irritation or rash occurs: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
Store locked up.  
Store in a well-ventilated place.  
Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

• **NFPA ratings (scale 0 - 4):**



### 3. Composition / Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**

poly(hexamethylene diisocyanate)	60-100% w/w	28182-81-2
Poly(3-isocyanatomethyl- 3,5,5-trimethylcyclohexylisocyanate)	10-30% w/w	53880-05-0
hexamethylene-di-isocyanate	0.5-<1% w/w	822-06-0
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0.5-<1% w/w	4098-71-9

- **Additional information:** Exact concentrations are being withheld as trade secrets.

### 4. First Aid Measures

• **General information:**

Symptoms of poisoning may even occur after several hours.

Remove breathing apparatus only after contaminated clothing have been completely removed.

• **After inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor if you feel unwell or are experiencing respiratory symptoms.

• **After skin contact:**

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or a rash occurs: Get medical advice/attention.

• **After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

- **After swallowing:** Rinse mouth, do not induce vomiting, Immediately call a poison center / doctor.

• **Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

## 5. Fire Fighting Measures

- **Suitable extinguishing agents:** Use firefighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** Mouth respiratory protective device.

## 6. Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective clothing.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7. Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
**Keep respiratory protective device available.**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

## 8. Exposure Controls / Personal Protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

hexamethylene-di-isocyanate		822-06-0
EL (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.01 ppm S	
EV (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.02 ppm	

REL (USA)	Long-term value: 0.035 mg/m <sup>3</sup> , 0.005 ppm Ceiling limit value: 0.14* mg/m <sup>3</sup> , 0.02* ppm *10-min
TLV (USA)	Long-term value: 0.034 mg/m <sup>3</sup> , 0.005 ppm BEI
<b>3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate      4098-71-9</b>	
EL (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.01 ppm S
EV (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.02 ppm
REL (USA)	Short-term value: 0.18 mg/m <sup>3</sup> , 0.02 ppm Long-term value: 0.045 mg/m <sup>3</sup> , 0.005 ppm Skin
TLV (USA)	Long-term value: 0.045 mg/m <sup>3</sup> , 0.005 ppm

**Additional information:**

The lists that were valid during the creation were used as basis.

• **Personal protective equipment**

• **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with eyes.

Avoid contact with eyes and skin.

• **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

• **Protection of hands:** Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• **Material of gloves:**

Nitrile rubber, NBR

Butyl rubber, BR

Neoprene gloves

• **Eye protection:**

Tightly sealed goggles

## 9. Physical and Chemical Properties

• <b>Form:</b>	Fluid
• <b>Appearance:</b>	Transparent
• <b>Odor:</b>	Nearly odorless
• <b>Odor threshold:</b>	Not determined.
• <b>pH-value:</b>	Not determined.
• <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	230 °C
• <b>Flash point:</b>	181 °C
• <b>Flammability (solid, gaseous):</b>	Not applicable.
• <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
• <b>Auto igniting:</b>	Product is not self igniting.
• <b>Danger of explosion:</b>	Product does not present an explosion hazard

• <b>Explosion limits</b> <b>Lower:</b> <b>Upper:</b>	Not determined. Not determined.
• <b>Vapor pressure:</b>	Not determined.
• <b>Density at 20 °C:</b> • <b>Relative density:</b> • <b>Vapor density:</b> • <b>Evaporation rate:</b>	1.15 g/cm <sup>3</sup> Not determined. Not determined. Not determined.
• <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
• <b>Partition coefficient (n-octanol/water):</b>	Not determined.
• <b>Viscosity:</b> <b>Dynamic:</b> <b>Kinematic:</b>	3000 mPass Not determined.
• <b>Solvent content:</b> <b>Organic solvents:</b> <b>VOC content:</b>	0.0 % 0.0 g/l / 0.0 lb/gl
• <b>Other information:</b>	No further relevant information available.

## 10. Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

- **Possibility of hazardous reactions:** No dangerous reactions known.

- **Conditions to avoid:** No further relevant information available.

- **Incompatible materials:** No further relevant information available.

- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11. Toxicology Information

- **Information on toxicological effects:**

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

	Oral LD50	Dermal LD50	
hexamethylene-di-isocyanate	738 mg/kg (rat)	593 mg/kg (rat)	822-06-0

- **Specific symptoms in biological assay:** No further relevant information available.

- **Primary irritant effect**

- **on the skin:** No irritant effect.

- **on the eye:** Irritating effect.

- **Sensitization:**

Sensitization possible through inhalation.

Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Toxic

Harmful

Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

## 12. Ecological Information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information**
- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects:** No further relevant information available.

## 13. Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging**
- **Recommendation:** Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

## 14. Transportation Information

	DOT (Domestic)	TDG (Canada)	ADN	IMDG (International)	IATA (Air)
UN Number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Name	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Packaging Group	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Environmental Hazards: Marine Pollutant	No	No	No	No	No
Special Precautions	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Transport in Bulk According to Annex II of Marpol 73/78 and IBC Code	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

UN Model Regulation	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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## 15. Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

- **Section 355 (extremely hazardous substances):**

4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

- **Section 313 (Specific toxic chemical listings):**

822-06-0 hexamethylene-di-isocyanate

4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanat

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed or exempted

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Canadian substance listings**

- **Canadian Domestic Substances List (DSL/NDSL):**

All ingredients are listed.

- **Canadian Ingredient Disclosure list (limit 0.1%):**

822-06-0 hexamethylene-di-isocyanate

4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

- **Canadian Ingredient Disclosure list (limit 1%):**

None of the ingredients is listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



### GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**

Poly(3-isocyanatomethyl- 3,5,5-trimethylcyclohexylisocyanate)

hexamethylene-di-isocyanate

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

- **Hazard statements**

Harmful if inhaled.

May cause an allergic skin reaction.

May cause respiratory irritation.

• **Precautionary statements**

Avoid breathing mist/vapours/spray.

Wear protective gloves / eye protection.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

IF INHALED: Call a doctor if you feel unwell.

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

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place.

Keep container tightly closed.

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

## 16. Other Information

This MSDS format meets ANSI Z400.1-1998 and OSHA 1910.1200 requirements.

The information provided contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond our control. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.

• **Department issuing SDS:** Product safety department

• **Contact:** Product safety department

• **Date of preparation / last revision** 08/10/2018 / 1

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

• **Legend:**





**Safety Data Sheet**  
**acc. to OSHA HCS & WHMIS**

Printing date 08/10/2018

Reviewed on 08/10/2018

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N.A. - Not Applicable, N.D. - Not Determined, N.E. - Not Established

• \* **Data compared to the previous version altered.**

N.A.