

**Total Containment Solutions  
2814 South Street  
Ft. Myers, FL 33916**

**Safety Data Sheet**

**TCS HM A side**

**1.Product and Company Identification:**

Total Containment Solutions  
2814 South Street  
Ft. Meyers, FL 33916  
24 Hour emergence response CHEMTREC 800-424-9300  
Product: A side Prepolymer TS1202  
Date Reported: December 19, 2013

**2.Hazards Identification:**

The following is for the component CAS Number 5124-30-1 unless specified otherwise.

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**OSHA Hazards**

Target Organ Effect, Highly toxic by inhalation, Skin and respiratory sensitizer, Irritant

**Target Organs**

Lungs

**Other hazards which do not result in classification**

Lachrymator.

**GHS Classification**

Acute toxicity, Inhalation (Category 1)  
Skin irritation (Category 2)  
Eye irritation (Category 2A)  
Respiratory sensitization (Category 1)  
Skin sensitization (Category 1)  
Specific target organ toxicity - single exposure (Category 3)  
Acute aquatic toxicity (Category 2)

**GHS Label elements, including precautionary statements**

Pictogram



Signal word

Danger

**3. Composition Information on Hazardous Ingredients :**

Weight Percent	Component	CAS Number
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**4. First Aid Measures:**

===== First Aid Measures =====

First Aid:INHAL: IF INHALED, REMOVE TO FRESH AIR. EYE: IMMED FLUSH  
W/PLENTY OF WATER FOR AT LEAST 15 MIN. CALL MD. SKIN: IMMED FLUSH  
W/PLENTY OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAM CLTHG &  
SHOES. CA LL MD. WASH CLTHG BEFORE REUSE. INGEST:INDUCE VOMIT IMMED  
BY GIVING TWO GLASSES OF WATER & STICKING FINGER DOWN THROAT. NEVER  
GIVE ANYTHING BY MOUTH TO AN UNCON PERSON. GET MD.

**5. Fire Fighting Measures:****5. FIREFIGHTING MEASURES****Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Moisture sensitive.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
Dicyclohexylmethane-4,4'-diisocyanate	5124-30-1	TWA	0.0050 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Lower Respiratory Tract irritation Respiratory sensitization			
		C	0.01 ppm 0.11 mg/m <sup>3</sup>	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
	Skin notation			
		C	0.01 ppm 0.11 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## 9. Physical and Chemical Properties:

===== Physical/Chemical Properties =====

HCC:N1  
Boiling N/A  
Vapor Pres: N/D  
Vapor Density:N/D  
Spec Gravity:1.02  
Solubility in Water:Unknown  
Appearance and Odor:CLEAR LIQUID

Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

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## 10. STABILITY AND REACTIVITY

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

no data available

### **Conditions to avoid**

Heat.

### **Materials to avoid**

Amines, Strong bases, Alcohols, Heavy metals

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

Other decomposition products - no data available

## **10. Stability and Reactivity :**

===== Stability and Reactivity Data =====

Stability Stable under normal storage conditions

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:INCLUDES CO2 AND NOX.

## **11. Toxicological Information :**

No toxicological information is available.

## **12. Ecological Information :**

No ecological information is available..

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### 13. DISPOSAL CONSIDERATIONS

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

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### 14. TRANSPORT INFORMATION

**DOT (US)**

UN number: 2206 Class: 6.1 Packing group: II  
Proper shipping name: Isocyanate solutions, toxic, n.o.s. (Dicyclohexylmethane-4,4'-di-isocyanate)  
Marine pollutant: No  
Poison Inhalation Hazard: No

**IMDG**

UN number: 2206 Class: 6.1 Packing group: II EMS-No: F-A, S-A  
Proper shipping name: ISOCYANATE SOLUTION, TOXIC, N.O.S. (Dicyclohexylmethane-4,4'-di-isocyanate)  
Marine pollutant: No

**IATA**

UN number: 2206 Class: 6.1 Packing group: II  
Proper shipping name: Isocyanate solution, toxic, n.o.s. (Dicyclohexylmethane-4,4'-di-isocyanate)

### **15. Regulatory Information:**

No regulatory information is available.

### **16. Other Information:**

**DISCLAIMER:** The information contained herein is accurate to the best of our knowledge, but no liability whatsoever is assumed. Final determination of the suitability of a material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

The product formulation information contained herein is only for occupational safety and health related usage. Any misuse of this information, including divulgence to third parties or use to gain a competitive advantage is strictly prohibited.