



## Safety Data Sheet

01/14/2026

**PremARC® Chlorine Resistance Aliphatic Polyurethane Binder**

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: PremARC® Chlorine Resistance Aliphatic Polyurethane Binder

Details of the supplier of the safety data sheet

Supplier: American Recycling Center, Inc.  
655 Wabassee Drive  
Owosso, MI 48867

#### Emergency telephone number

**24-Hour Emergency Phone number: 800-424-9300**

**Customer Information Center: 989-725-5100**

### SECTION 2: HAZARDS IDENTIFICATION

#### **GHS classification:**

Skin irritation, category 2

Skin sensitization, category 1

Respiratory sensitization, category 1

Reproductive toxicity, category 1B

Specific target organ toxicity - single exposure, category 3, respiratory tract irritation

Acute toxicity (inhalation). category 3

DANGER!



This product is a "**Hazardous Chemical**" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Signal word:** Danger

#### **Hazard statements:**

H331 Toxic if inhaled

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H360 May damage fertility or the unborn child

H335 May cause respiratory irritation



**Precautionary statements:**

- P264 Wash hands thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 Contaminated work clothing must not be allowed out of the workplace  
P284 Wear respiratory protection  
P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P271 Use only outdoors or in a well-ventilated area  
P311 Call a POISON CENTER/doctor/...  
P302+P352 IF ON SKIN: Wash with plenty of soap and water. A polyglycol-based skin cleanser or corn oil may be more effective than soap and water.  
P362 Take off contaminated clothing and wash it before reuse  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor  
P308+P313 IF exposed or concerned: Get medical advice/attention  
P312 Call a POISON CENTER or doctor if you feel unwell  
P405 Store locked up  
P403+P233 Store in a well-ventilated place. Keep container tightly closed  
P501 Dispose of contents/container in accordance with all Federal, State/Provincial and local laws and regulations.

**Hazards not otherwise classified:** None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Mixtures

**HAZARDOUS INGREDIENTS**

| <u>INGREDIENT</u>                                  | <u>CAS<br/>NUMBER</u> | <u>CONCENTRATION (%)</u> |
|----------------------------------------------------|-----------------------|--------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate            | 5124-30-1             | 11-13 %                  |
| Dibutyltin dilaurate                               | 77-58-7               | < .9 %                   |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  | 82919-37-7            | <1.0-.25%                |
| Bis (1,2,2,6,6-Pentamethyl-4-PiperidinyI) sebacate | 41556-26-7            | < 1.0 %                  |

**SECTION 4: FIRST AID MEASURES**



### Description of first aid measures

#### **notes:**

Show this Safety Data Sheet to the doctor in attendance. This product is toxic by one or more routes of exposure (inhalation, ingestion, skin contact). Take precautions to ensure your own safety before attempting rescue. Wear appropriate safety eyewear, gloves, protective clothing, and respiratory protection to prevent exposure. See Section 8 of this SDS for personal protective equipment recommendations. Do not use the mouth-to-mouth method if victim has ingested or inhaled the product. Give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper device.

Show this Safety Data Sheet to the doctor in attendance.

#### **After inhalation:**

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If exposed, seek medical advice/attention.

#### **After skin contact:**

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

#### **After eye contact:**

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

#### **After swallowing:**

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

#### **Most important symptoms and effects, both acute and delayed Acute symptoms and effects:**

Acute inhalation exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Skin contact may result in redness, pain, burning and inflammation.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis. Inhalation exposure may cause allergy, asthma symptoms or breathing difficulties. Symptoms may include cough, chronic phlegm, shortness of breath, wheezing and chest tightness. Symptoms may be delayed.

#### **Delayed symptoms and effects:**

Symptoms of exposure may be delayed.

Effects are dependent on exposure (dose, concentration, contact time).



Long term exposure may affect fertility. Symptoms include, but are not limited to menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death. Immediate medical attention and special treatment

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing media**

#### **Suitable extinguishing media:**

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

#### **Unsuitable extinguishing media:**

Do not use water jet.

#### **Specific hazards during firefighting:**

Thermal decomposition may produce irritating/toxic fumes/gases.

#### **Special protective equipment for firefighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA with a full-face piece operated in positive pressure mode).

#### **Special precautions:**

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures:**

Evacuate unnecessary personnel and prevent entry. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk-through spilled material. Wash thoroughly after handling. Remove contaminated clothing with proper techniques to prevent contact with skin or eyes. Place contaminated clothing in a sealed container for future disposal.

#### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

#### **Methods and material for containment and cleaning up:**

Toxic if inhaled. Put on appropriate personal protective equipment, including a self-contained breathing apparatus (see Section 8) before entering area of spill or leak. Avoid breathing dust, mist, fumes, vapors or spray. Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect



spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

**SPILL OR LEAK PROCEDURES:** Evacuate non-emergency personnel. Isolate the area and prevent access. Notify management. Put on protective equipment. Control source of the leak. Remove any ignition sources. Ventilate. Contain the spill to prevent spread into drains, sewers, water supplies, or soil. Call ChemTrec at 800-424-9300 or 703-527-3887 for assistance and advice.

**Major Spill or Leak (Standing liquid):** Released material may be pumped into closed, but not sealed, metal container for disposal. Process can generate heat. **Minor Spill or Leak (Wet surface):** Cover spill area with suitable absorbent material (Kitty Litter, Oil- Ori ®, etc). Saturate absorbent material with neutralization solution and mix. Wait 15 minutes. Collect material in open-head metal containers. Repeat applications of decontamination solution, with scrubbing, followed by absorbent until the surface is decontaminated. Check for residual surface contamination. Apply lid loosely and allow containers to vent for 72 hours to let carbon dioxide (CO<sub>2</sub>) escape.

**CLEAN UP:** Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes. Neutralization solutions: (1) Colorimetric Laboratories Inc. (CU) decontamination solution. (2) A mixture of 75% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10) and 5% n propanol. (3) A mixture of 80% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10). (4) A mixture of 90% water, 3-8% ammonium hydroxide or concentrated ammonia, and 2% liquid detergent.

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

**Reference to other sections:**

For personal protective equipment see Section 8. For disposal see Section 13.

## **SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:**

Toxic if inhaled. Do not handle material unless wearing appropriate personal protective equipment, including respiratory protection (see Section 8). Use only with adequate ventilation. Do not breathe mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Open container slowly to prevent dispersal of material into the air. Prevent contact with skin, eyes and clothing. Handle with caution. Do not handle broken or punctured containers. Immediately report spills, leaks or problems with hazard control measures. Wash thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

**Conditions for safe storage, including any incompatibilities:**

Store in cool, dry, well-ventilated location out of direct sunlight and away from exit paths. Inspect containers and storage area regularly for signs of leak and damage. Store



containers at a convenient height for handling, below eye level if possible. High shelving increases the risk of dropping containers, personal injury and exposure. Ensure that appropriate firefighting and spill-clean up equipment is readily available. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Store separately. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

| Country (Legal Basis) | Substance                               | Identifier | Permissible concentration                        |
|-----------------------|-----------------------------------------|------------|--------------------------------------------------|
| ACGIH                 | 4,4'-methylenedicyclohexyl diisocyanate | 5124-30-1  | 8-Hour TWA: 0.005 ppm                            |
| NIOSH                 | 4,4'-methylenedicyclohexyl diisocyanate | 5124-30-1  | Ceiling Limit: 0.11 mg/m <sup>3</sup> (0.01 ppm) |
| OSHA                  | 4,4'-methylenedicyclohexyl diisocyanate | 5124-30-1  | Ceiling Limit: 0.11 mg/m <sup>3</sup> (0.01 ppm) |

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Medical Surveillance: All applicants who are assigned to an isocyanate work area should undergo a pre- placement medical evaluation. A history of eczema or respiratory allergies such as hay fever, are possible reasons for medical exclusion from isocyanate areas. Applicants who have a history of adult asthma should be restricted from work with isocyanates. Applicants with a history of prior isocyanate sensitization should be excluded from further work with isocyanates. A comprehensive annual medical surveillance program should be instituted for all employees who are potentially exposed to diisocyanates. Once a worker has been diagnosed as sensitized to any isocyanate, no further exposure can be permitted.

### Appropriate. Engineering controls:

Toxic if inhaled. Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

### Personal protection equipment

#### Eye and face protection:

Use safety glasses with side shields or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

#### Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. 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. Ensure that



all personal protective equipment is approved by recognized national standards (or equivalent).

**Respiratory protection:**

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established). a respirator approved by recognized national standards (or equivalent) must be worn.

**General hygienic measures:**

Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                                                |                                   |
|------------------------------------------------|-----------------------------------|
| <b>Appearance</b>                              | Yellow liuid                      |
| <b>Odor</b>                                    | Musty                             |
| <b>Odor threshold</b>                          | Not applicable                    |
| <b>pH</b>                                      | Not applicable                    |
| <b>Melting point/freezing point</b>            | Not applicable                    |
| <b>Initial boiling point/range</b>             | 392 oF (200 oC) @5mmHg            |
| <b>Flash point (closed cup)</b>                | > 392 oF (200oC) (ASTM D92)       |
| <b>Evaporation rate</b>                        | Not determined or not available.  |
| <b>Flammability (solid, gas)</b>               | Not Flammable                     |
| <b>Upper flammability/explosive limit</b>      | Not applicable                    |
| <b>Lower flammability/explosive limit</b>      | Not applicable                    |
| <b>Vapor pressure</b>                          | 0.000015 mmHg (25oC)              |
| <b>Vapor density</b>                           | Not applicable                    |
| <b>Density</b>                                 | 9.1 lbs/gallon                    |
| <b>Relative density</b>                        | 1.09 - 1.10 g/cm3 @25 oC          |
| <b>Solubilities</b>                            | Not determined or not available . |
| <b>Partition coefficient (n-octanol/water)</b> | Reacts with water                 |
| <b>Auto/Self-ignition temperature</b>          | Not determined or not available.  |
| <b>Decomposition temperature</b>               | Not determined or not available.  |
| <b>Dynamic viscosity</b>                       | 3500-4500 mPas (25oC)             |
| <b>Kinematic viscosity</b>                     | Not determined or not available.  |
| <b>Explosive properties</b>                    | Not applicable                    |
| <b>Oxidizing properties</b>                    | not appl icable                   |

### Other information

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity:

Not reactive under recommended handling and storage conditions.



**Chemical stability:**

Stable under recommended handling and storage conditions.

**Possibility of hazardous reactions:**

Hazardous reactions are not anticipated under recommended conditions of handling and storage.

**Conditions to avoid:**

Avoid confined spaces, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

**Incompatible materials:**

Water, amines, strong bases, alcohols, metal compounds, and other materials that react with isocyanates. Material reacts slowly with water, releasing carbon dioxide which can cause pressure to buildup and rupture closed containers.

**Hazardous decomposition products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced

**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute toxicity

**Assessment:**

Can be toxic if inhaled

**Product data:** No data available.

**Substance data:**

| Name                                    | Route      | Result                      |
|-----------------------------------------|------------|-----------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate | inhalation | LCS0 Rat: 0.434 mg/L (4 hr) |

**Skin corrosion/irritation**

**Assessment:** Causes

skin irritation.

**Product data:**

No data available.

**Substance data:**

| Name                                    | Result                    |
|-----------------------------------------|---------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate | Causes skin irritation.   |
| Dibutyltin dilaurate                    | Causes severe skin burns. |

**Serious eye damage/irritation**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name                                    | Result                         |
|-----------------------------------------|--------------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate | Causes serious eye irritation. |





### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Product data:

No data available.

### Substance data:

| Name                                    | Result                                                                                                             |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate | May cause an allergic skin reaction.<br>May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Dibutyltin dilaurate                    | May cause an allergic skin reaction.                                                                               |

| Name                                              | Result                                |
|---------------------------------------------------|---------------------------------------|
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | May cause an allergic skin reaction . |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate   | May cause an allergic skin reaction.  |

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available .

**Substance data:** No data available.

### International Agency for Research on Cancer (IARC):

| Name                                              | Classification |
|---------------------------------------------------|----------------|
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Not Applicable |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate   | Not Applicable |

### National Toxicology Program (NTP):

| Name                                              | Classification |
|---------------------------------------------------|----------------|
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | Not Applicable |



|                                                 |                |
|-------------------------------------------------|----------------|
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate | Not Applicable |
|-------------------------------------------------|----------------|

**OSHA Carcinogens:** Not applicable

**Germ cell mutagenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.  
**Substance data:**

| Name                 | Result                       |
|----------------------|------------------------------|
| Dibutyltin dilaurate | May cause mutagenic effects. |

**Reproductive toxicity**

**Assessment:**

May damage fertility or the unborn child.

**Product data:**

No data available.

**Substance data:**

| Name                 | Result                                  |
|----------------------|-----------------------------------------|
| Dibutyltin dilaurate | Suspected of damaging the unborn child. |

**Specific target organ toxicity (single exposure)**

**Assessment:**

May cause respiratory irritation.

**Product data:**

No data available .

**Substance data:**

| Name                                     | Result                                               |
|------------------------------------------|------------------------------------------------------|
| 4,4'-methylenedicyclo hexyl diisocyanate | May cause respiratory irritation.                    |
| Dibutyltin dilaurate                     | Causes damage to the thymus through single exposure. |

**Specific target organ toxicity (repeated exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name                 | Result                                                              |
|----------------------|---------------------------------------------------------------------|
| Dibutyltin dilaurate | Causes damage to the thymus through prolonged or repeated exposure. |

**Aspiration toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**



No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:**

No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

**Other information:**

No data available.

**SECTION 12: ECOLOGICAL INFORMATION**

**Data is based on the Ecological Data for Dicyclohexylmethane-4,4'-Diisocyanate (HMDI)**

**Acute (short-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name                 | Result                                   |
|----------------------|------------------------------------------|
| Dibutyltin dilaurate | ECS0 Daphnia magna: 0.66 mg/L (24 Hours) |

**Chronic (long-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Persistence and degradability Product data:** No data available.

**Substance data:**

| Name                                    | Result                                                                   |
|-----------------------------------------|--------------------------------------------------------------------------|
| 4,4'-methylenedicyclohexyl diisocyanate | Not readily biodegradable (0% degradation after a 28 day sampling time). |

**Bio accumulative potential**

**Product data:** No data available.

**Substance data:** No data available.

**Mobility in soil**

**Product data:** No data available.

**Substance data:** No data available.

**Results of PBT and vPvB assessment**

**Product data:**

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT..

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB..

**Substance data:**



**PBT assessment:**

4,4'-methylenedicyclohexyl diisocyanate This substance is not PBT.

**vPvB assessment:**

4,4'-methylenedicyclohexyl diisocyanate This substance is not vPvB.

**Other adverse effects:** No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal methods:**

Waste must be disposed of in accordance with federal, state, and local Environmental control regulations.

Incineration is the preferred method.

**Contaminated packages:**

Empty containers retain product residue: observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed, Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal.

**SECTION 14: TRANSPORT INFORMATION**

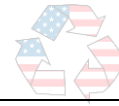
**United States Transportation of dangerous goods (49 CFR DOT)**

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN number</b>                     | Not regulated                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UN proper shipping name</b>       | Not regulated                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UN transport hazard class(es)</b> | None                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Packing group</b>                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Environmental hazards</b>         | None                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Special precautions for user</b>  | None                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reportable quantity</b>           | 5,000 lbs (2270 kg) Dicyclohexylmethane-4,4'-Diisocyanate (HMDI)                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Additional Information</b>        | Additional DOT Transportation Information: When in individual containers of more than the Product RQ, this material ships as Regulated as follows: UN NUMBER: NA3082 UN PROPER SHIPPING NAME: Other regulated substances, liquid, n.o.s. (contains Dicyclohexylmethane-4,4'-Diisocyanate (HMDI) HAZARD CLASS(ES) or DIVISION: 9 HAZARD LABEL: Class 9 PACKAGING GROUP: III DOT (DOMESTIC SURFACE) : Dicyclohexylmethane-4,4'-Diisocyanate (HMDI) |

**International Maritime Dangerous Goods (IMDG)**

|                                      |                                                                     |
|--------------------------------------|---------------------------------------------------------------------|
| <b>UN number</b>                     | UN3082                                                              |
| <b>UN proper shipping name</b>       | Environmentally hazardous substances, liquid Alkanes, 04-17, chloro |
| <b>UN transport hazard class(es)</b> | None                                                                |
| <b>Packing group</b>                 | III                                                                 |
| <b>Environmental hazards</b>         | None                                                                |
| <b>Special precautions for user</b>  | None                                                                |

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**



|                                      |                                                                         |
|--------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                     | UN3334                                                                  |
| <b>UN proper shipping name</b>       | Aviation regulated liquid, Dicyclohexylmethane-4,4'-Diisocyanate (HMDI) |
| <b>UN transport hazard class(es)</b> | None                                                                    |
| <b>Packing group</b>                 | III                                                                     |
| <b>Environmental hazards</b>         | None                                                                    |
| <b>Special precautions for user</b>  | None                                                                    |

## SECTION 15: REGULATORY INFORMATION

### United States regulations

**Inventory listing (TSCA):** All ingredients are listed or exempt

### SARA Section 313 toxic chemicals:

15124-30-1 14.4 methylenedicyclohexyl diisocyanate listed

Massachusetts Right to Know:

15124-30-1 14.4 methylenedicyclohexyl diisocyanate listed

New Jersey Right to Know:

15124-30-1 14.4 methylenedicyclohexyl diisocyanate listed

77-58-7 Dibutyltin dilaurate Listed

New York Right to Know:

15124-30-1 14.4 methylenedicyclohexyl diisocyanate listed

Pennsylvania Right to Know:

15124-30-1 14.4 methylenedicyclohexyl diisocyanate listed

**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: OTHER INFORMATION

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

*American Recycling Center urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date of the SDS. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that its activities comply with all applicable federal, state, provincial and local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of American Recycling Center, Inc., it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.*

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*



*Due to the proliferation of sources for information such as manufacturer-specific SDSs, American Recycling Center, Inc. is not and cannot be responsible for SDSs obtained from any source other than American Recycling Center, Inc. If you have obtained an American Recycling Center, Inc SDS from a non-American Recycling Center, Inc. source or if you are not sure that the SDS is current, please contact American Recycling Center, Inc. for the most current version.*

**Department issuing SDS:   EH&S Delivery**  
**Contact:                       Customer Service 989-725-5100**

*The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute, and other warranty express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages.*

**American Recycling Center, Inc**  
**655 Wabassee Drive, Owosso, MI 48867**  
**(989) 725-5100   www.americanrecycling.com**