

Material Safety Data Sheet

STONHARD**1. Identification**

Manufacturer: STONHARD, DIVISION OF STONCOR GROUP, INC
Mailing Address: 1000 EAST PARK AVENUE
 MAPLE SHADE, NJ 08052
Customer Information: (856) 779-7500
24 Hour Emergency Telephone: CHEMTREC: 1-800-424-9300
 Outside U.S. (703) 527-3887

Product Name: STONFLEX MP7 ISO
Product Code: 125N
Preparer: Bowers, Lee
Revision Date: 10/11/2012
Supersedes Date: 5/6/2011

2. Hazard Identification

General Advice : Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and respiratory system. Heating or fire can release toxic gas. May cause long-term adverse effects in the aquatic environment.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: AEROSOL, VAPOR OR LIQUID WILL IRRITATE EYES FOLLOWING CONTACT.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: MODERATE IRRITANT. REPEATED AND OR PROLONGED CONTACT MAY CAUSE SENSITIZATION.

EFFECTS OF OVEREXPOSURE - INHALATION: MAY CAUSE IRRITATION TO THE GASTROINTESTINAL TRACT. PRACTICALLY NON-TOXIC BY INGESTION.

EFFECTS OF OVEREXPOSURE - INGESTION: RESPIRATORY IRRITANT. SYMPTOMS MAY BE DELAYED FOR SEVERAL HOURS AND INCLUDE DRYNESS OF THROAT, TIGHTNESS OF CHEST.

EFFECTS OF OVEREXPOSURE - SYSTEMIC: CHRONIC EXPOSURE MAY RESULT IN PERMANENT DECREASE IN LUNG FUNCTION.

* This product contains the following chemicals classified by the International Agency for Research on Cancer (IARC) as 1, 2A, or 2B carcinogens:

No IARC components exist in this product.

3. Composition/Information On Ingredients

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Weight % Range</u>	<u>OSHAPEL</u>	<u>ACGIHTLV</u>
101-68-8	4,4'-methylenediphenyl diisocyanate	30-60	0.02 PPM-CEILIN	0.005 PPM
26447-40-5	methylenediphenyl diisocyanate	5-10		

4. First-aid Measures

After Eye Contact: Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

After Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Use a mild soap if available.

After Inhalation: Move to fresh air. Consult a physician after significant exposure.

After Ingestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

5. Fire-fighting Measures

Flash Point, °F	249.8	Lower Explosive Limit, %:	Not determined
Flash Point Method:	PMCC	Upper Explosive Limit, %:	Not determined

Suitable Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Hazardous Combustion Products: No Information

FIRE FIGHTING INSTRUCTIONS: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool closed containers exposed to fire with water spray.

Special Firefighting Protection Equipment: ABC powder Danger! - water reactive substance. Reacts with water to release toxic gas. May be harmful or fatal if inhaled. In the event of fire, wear self-contained breathing apparatus.

OTHER INFORMATION: No Information

6. Accidental Release Measures

Personal Safety Measures/Environmental Measures/Method of Cleaning/Containment: Use personal protective equipment. Ensure adequate ventilation. Prevent product from entering drains. Do not allow material to contaminate ground water system. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep the container open. Prevent further leakage or spillage if safe to do so.

7. Handling and Storage

Instructions for Safe Handling: Wear personal protective equipment. Do not breathe vapours or spray mist. Provide sufficient air exchange and/or exhaust in work rooms. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is being used. Use only in area provided with appropriate exhaust ventilation.

Storage Conditions: Store in original container. Keep container tightly closed in a dry and well-ventilated place. Keep locked up or in an area accessible only to qualified or authorised persons.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand Protection: Long sleeved clothing. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Remove and wash contaminated clothing before re-use. Rubber or plastic gloves.

EYE PROTECTION: Safety goggles Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses

OTHER PROTECTIVE EQUIPMENT: No Information

9. Physical and Chemical Properties

Physical State:	Liquid
Appearance:	YELLOW
Odor:	SLIGHT
Vapor Pressure:	4x10 ⁻⁶ mmHg @ 20C
Vapor Density:	8.5
Boiling Range:	Not determined
Solubility in Water:	REACTS WITH WATER

Specific Gravity: 1.172
Viscosity: N/D
pH: NON-AQUEOUS

(See section 16 for abbreviation legend)

10. Stability and Reactivity

STABILITY: Stable under normal conditions. Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

CONDITIONS TO AVOID: Keep from any possible contact with water.

Materials to Avoid: Contact with water or moist air liberates irritating gas. Reacts violently in contact with acids, amines, driers, polymerisation accelerators and easily oxidized materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

HAZARDOUS POLYMERIZATION: Hazardous polymerisation does not occur.

Notes: Do NOT use water jet. Hazardous decomposition products formed under fire conditions.

11. Toxicological Information

Product LD50: No Information

Product LC50: No Information

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
101-68-8	4,4'-methylenediphenyl diisocyanate	15000 mg/kg oral	43 ppm vapor 4 hrs
26447-40-5	methylenediphenyl diisocyanate	15000 mg/kg oral	43 ppm vapor 4hrs

12. Ecological Information

Elimination Information: No Information

Environmental Considerations: No Information

Ecotoxic Effects: No Information

13. Disposal Information

Disposal Recommendation: If recycling is not practicable, dispose of in compliance with local regulations. Waste codes should be assigned by the user based on the application for which the product was used. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT Proper Shipping Name: No Information

DOT Technical Name: No Information

DOT Hazard Class: NONE

Hazard SubClass: NONE

DOT UN/NA Number: No Information

Packing Group: No Information

Resp. Guide Page: No Information

15. Hazards Identification

U.S. Federal Regulations: As follows -**CERCLA - SARA HAZARD CATEGORY**

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Reactive Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
4,4'-methylenediphenyl diisocyanate	101-68-8

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. Clean Air Act:

EPA Coating Category:	INDUSTRIAL MAINTENANCE COATINGS
EPA VOC Content Limit (g/l):	450
Product VOC Content (g/l)	<5.0
Thinning Recommendations:	NONE
Application Recommendations:	No Information

* As per the federal EPA definition for coating categories in 40 CFR 59.401.

** Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.

U.S. State Regulations: As follows -**NEW JERSEY RIGHT-TO-KNOW:**

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
modified mdi	18275200000-5013
modified mdi	18275200000-5073

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
modified mdi	18275200000-5013
modified mdi	18275200000-5073

CALIFORNIA PROPOSITION 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

No Proposition 65 Carcinogens exist in this product.

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

*** CANADIAN DSL:**

All chemical ingredients included on inventory

16. Other Information

When using, do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.

HMS Ratings:

Health: 2 **Flammability:** 1 **Reactivity:** 1 **Personal Protection:** H

REASON FOR REVISION:

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

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with the respect to the use of any material supplied by us.