



WORLD-CLASS
CHEMICALS

MATERIAL SAFETY DATA SHEET

DOLPHIN WINDSCREEN FIX

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : DOLPHIN WINDSCREEN FIX
Product Code : AMI WINDSCREEN FIX
Recommended Use : ADHESIVE & SEALING

Company Details

Company Name : Al Muqarram Insulation Materials Industry L.L.C.
Address : Industrial Area # 15, Post Box No. 24756, Sharjah, United Arab Emirates
Phone Number : +971 (6) 5353796
Fax No. : +971 (6) 5353964
E-mail ID : info@muqarram.com
Website : www.muqarram.com

Emergency Telephone Number: 00971-549981925

2. HAZARDS IDENTIFICATION

Emergency Overview

Black colloid with a slight odor. Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS Classification

Skin corrosion/irritation Category 3
Respiratory sensitization Category 1

Label Elements

Signal Word : Danger.
Hazard Statements : Causes mild skin irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Prevention : Avoid breathing dust/fume/gas/mist/vapours/spray.
In case of inadequate ventilation, wear respiratory protection.
Response : If skin irritation occurs: Get medical advice/attention.
IF INHALED: remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician.
Storage : None
Disposal : Dispose of contents/container to an approved waste disposal plant.

Physical Hazards

No information available

Environmental Hazards

No information available

Other Hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENT

Description

Mixture

CHEMICAL NAME	CAS No	WEIGHT %
PU Prepolymer	68092-58-0	30.0-40.0
Petroleum distillates, hydrotreated light	64742-47-8	2.0-2.5
Methylene bisphenyl isocyanate (MDI)	101-68-8	0.9
Di-iso-decyl phthalate	26761-40-0	27
Calcium Carbonate	471-34-1	30

4. FIRST AID MEASURES

Description of first aid mixtures

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact

: Wash with soap and water. Consult a physician if necessary.

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.

Ingestion

: Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes mild skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Self-protection of the first aider

Use personal protective equipment as required.

Note to physician

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media

: Suitable extinguishing media - Dry chemical, CO₂, Water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media – High Volume Water jet.

Special hazards

: Burning can lead to release of irritating and toxic gases and vapors.

Protective equipment and precautions for firefighters

: Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. Cool drums with water spray. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Stay upwind. Ensure adequate ventilation, especially in confined areas.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

: Any information on personal protection and disposal is given in section 8 and 13.

Environment precautions

: Do not empty into drains or water. Disposal of the chemicals must be made according to official regulations.

Methods for cleaning up

: Flood with water to complete polymerization and scrape off the floor. Dispose of

contaminated material as waste according to Section 13.

7. HANDLING AND STORAGE

Handling

: Handle in accordance with good industrial hygiene and safety practice. Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes, or clothing. Wash contaminated clothing before reuse. Keep away from heat, sparks, flame, and other sources of ignition. Take precautionary measures against static discharges. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

Storage

: Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Keep away from food, drink, and animal feeding stuffs. Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	China	Japan	Korea	Australia	Taiwan
Methylene bisphenyl isocyanate (MDI) (CAS #: 101-68-8)	TWA: 0.05 mg/m ³ STEL: 0.1 mg/m ³	TWA: 0.05 mg/m ³	TWA: 0.005 ppm TWA: 0.055 mg/m ³	0.02 mg/m ³ 0.07 mg/m ³ STEL	

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Germany	Ontario TWA
Methylene bisphenyl isocyanate (MDI) (CAS #: 101-68-8)	TWA: 0.005 ppm	(Vacated) Ceiling: 0.02 ppm regulated under Methylene busphenyl isocyanate (Vacated) Ceiling: 0.2 mg/ m ³ . Regulated under Methyl bisphenyl isocyanate Ceiling: 0.02 ppm Ceiling: 0.2 mg/ m ³	TWA: 0.005 ppm TWA: 0.05 mg/ m ³ . IDLH: 75 mg/ m ³ . Ceiling: 0.02 ppm 10 min Ceiling: 0.2 mg/ m ³		TWA: 0.005 ppm CEV: 0.02 ppm

Chemical Name	Austria	Belgium	European Union	Denmark	Latvia
Methylene bisphenyl isocyanate (MDI) (CAS #: 101-68-8)	STEL 0.01 ppm STEL 0.1 mg/m ³ TWA :0.005 ppm TWA :0.05 mg /m ³			TWA: 0.005 ppm TWA: 0.05 mg/m ³	

Chemical Name	France	Finland	Italy	Poland	Spain
Methylene bisphenyl isocyanate (MDI)	STEL 0.02 ppm STEL 0.2 mg/m ³ TWA :0.01 ppm	STEL: 0.035 mg/m ³	-		TWA: 0.005 ppm TWA: 0.052 mg/m ³

(CAS #: 101-68-8)	TWA :0.1 mg /m3				
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Chemical Name	Norway	Portugal	Switzerland	Netherlands	United Kingdom
Methylene bisphenyl isocyanate (MDI) (CAS #: 101-68-8)	TWA :0.005 ppm TWA :0.05 mg /m3 STEL: 0.005 ppm STEL: 0.05 mg/m3 STEL: 0.01 ppm	TWA: 0.005 ppm	Skin STEL: 0.02 mg/m3 TWA: 0.02 mg/m3	-	TWA: 0.005 ppm TWA: 0.052 mg/m3

Engineering Controls

Showers. Eyewash Stations. Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection	: Ensure adequate ventilation, especially in confined areas.
Eye/Face protection	: Wear safety glasses with side shields (or goggles).
Skin and body protection	: Wear suitable protective clothing.
Hand Protection	: Wear protective gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Paste like silica gel / colloid
Color	: Black
Odor	: Slight Odor
Odor Threshold	: Not determined
pH	: Not determined
Melting Point/freezing point	: Not determined
Boiling Point/Boiling Range	: Not determined
Flash Point	: Not determined
Evaporation Rate	: Not determined
Flammability (solid, gas)	: Not determined
Explosive limits	: Not determined
Vapor Pressure	: Not determined
Vapor Density	: Not determined
Density	: Not determined
Relative Density	: Not determined
Water Solubility	: Not determined
Partition Coefficient (Log Pow)	: Not determined
Autoignition Temperature	: Not determined
Decomposition Temperature	: Not determined
Kinematic Viscosity	: Not determined
Dynamic Viscosity	: Not determined
Explosive Properties	: Not an explosive
Oxidizing Properties	: Not determined

10. STABILITY AND REACTIVITY

Stability	: Stable under normal temperature conditions.
Prohibited condition	: Keep away from heat sources
Hazardous decomposition Product	: None under normal use conditions

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light (CAS #: 64742-47-8)	> 5000 mg/kg	>2000mg/kg (Rabbit)	> 5.2 mg/kg (Rat) 4h
Methylene bisphenyl isocyanate (MDI) (CAS #: 101-68-8)	31600 mg/kg 9200 mg/kg	10000 mg/kg bw (Rabbit)	369 mg/m3 (Rat) 4 h 367.95 mg/m ³ air (Rat) 4 h

Skin Corrosion/irritation

Causes mild skin irritation.

Serious Eye Damage/Eye irritation

Although the product does not have a classification of eye irritation but try to avoid contact with the eyes. It may cause eye irritation.

Sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Persons already sensitized to diisocyanatos may develop allergic reactions when using this product.

Germ cell mutagenicity

No information available.

Carcinogenicity

Chemical name	IARC
Methylene bisphenyl isocyanate (MDI) (CAS #: 101 – 68 - 8)	Group 3

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/Aquatic plants EC50	Fish LC50	Crustacea EC50
Petroleum distillates, hydrotreated light (CAS #: 64742-47-8)	-	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50
Methylene bisphenyl isocyanate (MDI) (CAS #: 101-68-8)	> 1640 mg/L : 3 d Desmodesmus subspicatus	>= 500 mg/L :24 h Danio rerio	>= 500 mg/L : 24 h Limnea Stagnalis

Persistence and degradability

No information available.

Bio accumulative Potential

Chemical name	Bioconcentration Factor (BCF)
Petroleum distillates, hydrtreated light (CAS #: 64742 – 47 - 8)	159
Xylenes (o-, m-, p- isomers) (CAS #: 1330 – 20 - 7)	15

Mobility in soil

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products : Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging : Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

UN Number : Not regulated
UN Proper Shipping Name : Not regulated
Hazard Class : Not regulated
Packing Group : Not regulated
Environmental Hazards : Not applicable
Special Precautions : No information available
Transport in bulk according to Annex II of MARPOL and the IBC Code : Not applicable

15. REGULATORY INFORMATION

Component	IECSC	List of Dangerous Good	China – List of Dangerous Chemicals
PU Prepolymer 68092-58-0 (30.0-40.0)	X	-	-
Petroleum distillates, hydrotreated light 64742-47-8 (2.0-2.5)	X	-	-
Methylene bisphenyl isocyanate (MDI) 101-68-8 (0.9)	X	-	Present

International Inventories

Component	AICS	DSL/NDSL	EINECS/ELINCS	ENCS	KECL	PICCS	TSCA
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PU Prepolymer 68092-58-0 (30.0-40.0)	X	X	-	X	X	-	X
Petroleum distillates, hydrotreated light 64742- 47-8 (2.0-2.5)	X	X	X	X	X	X	X
Methylene bisphenyl isocyanate (MDI) 101-68-8 (0.9)	X	X	X	X	X	X	X

"X" Listed

"-" Not Listed

16. OTHER INFORMATION

Revision Note

Issue Date : 07-Mar-2017.

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Revision Note : Not applicable.

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA : TWA (Time Weighted Average).

STEL : STEL (Short Term Exposure Limit).

Ceiling : Maximum limit value.

TSCA : Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL : Canadian Domestic Substances List/Non-Domestic Substances List

IECSC : Chinese Inventory of Existing Chemical Substances

EINECS/ELINCS : European Inventory of Existing Commercial chemical Substances/European List of Notified Chemical Substances

ENCS : Japanese Existing and New Chemical Substances

KECL : Korea Existing Chemicals List

NZIoC : New Zealand Inventory of Chemicals

PICCS : The Philippine Inventory of Chemicals and Chemical Substances

AICS : The Australian Inventory of Chemical Substances

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>

IFA GESTIS: [http://gestis-en.itrust.de/nxt/gateway.dll?f=templates\\$fn=default.htm\\$vid=gestiseng:sdbeng](http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng) HSDB:

<http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

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