



Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 08/21/2003

Revision Number 2

Reviewed on 06/06/2003

1 Identification of substance

- Product details
- Trade name: **DC12154 GUNTHER PREMIER**
- Article number: 12154MM
- Manufacturer/Supplier:
Gunther Mirror Mastic
Royal Adhesives And Sealants, LLC
2001 W Washington Street
South Bend IN 46628-2023
- Information department: Environment protection department.
- Emergency information:
ChemTrec: UNITED STATES 1(800)424-9300 INTERNATIONAL 202-483-7616

2 Composition/Data on components

- Chemical characterization
- Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:		
1330-20-7	xylene	3.5%
101-68-8	4,4'-methylenediphenyl diisocyanate	0.6%

- Additional information: For the wording of the listed risk phrases refer to section 15

3 Hazards identification

- Hazard description:
Harmful
- Information pertaining to particular dangers for man and environment:
May cause sensitisation by inhalation.
Contains isocyanates. See information supplied by the manufacturer
- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)

HEALTH	2	Health = 2
FIRE	3	Fire = 3
PHYSICAL HAZARD	0	Physical Hazard = 0

4 First aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Wash contaminated skin with soap and water.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: Call a doctor immediately.

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing Date 08/21/2003

Revision Number 2

Reviewed on 06/06/2003

Trade name: DC12154 GUNTHER PREMIER

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear self-contained respiratory protective device

6 Accidental release measures

- **Person-related safety precautions:** Keep away from ignition sources
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
- **Storage:**
Requirements to be met by storerooms and receptacles: Store in a cool location away from direct heat.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

8 Exposure controls and 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:

1330-20-7 xylene

PEL	435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm (o-, m-, & p-isomers)
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

101-68-8 4,4'-methylenediphenyl diisocyanate

PEL	Short-term value: C 0.2 mg/m ³ , C 0.02 ppm
REL	Short-term value: C 0.2* mg/m ³ , C 0.02* ppm Long-term value: 0.05 mg/m ³ , 0.005 ppm *10-min
TLV	0.051 mg/m ³ , 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.
- Wash hands before breaks and at the end of work.

Breathing equipment:

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands: Protective gloves

Eye protection: Safety glasses with side shields.

Body protection: Protective work clothing

USA

(Contd. on page 3)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 08/21/2003

Revision Number 2

Reviewed on 06/06/2003

Trade name: DC12154 GUNTHER PREMIER

(Contd. of page 2)

9 Physical and chemical properties

General Information

Form: Paste
Color: Gray
Odor: Characteristic

Change in condition

Melting point: Undetermined.
Boiling point: Undetermined.

Flash point: 58°C (136°F)

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Specific gravity: 1.170

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Solvent content:

Organic solvents: 3.5 %

Solids content: 96.5 %

Additional information:

VOC: = 74 G/L
WEIGHT PER GALLON: = 11.42

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
Dangerous reactions No dangerous reactions known
Dangerous products of decomposition:
Oxides of carbon and nitrogen
Isocyanate

11 Toxicological information

Acute toxicity:

LD/LC50 values that are relevant for classification:

101-68-8 4,4'-methylenediphenyl diisocyanate

Oral LD50 2200 mg/kg (mouse)

Primary irritant effect:

on the skin: Generally this product does not irritate the skin.

on the eye: Irritating effect.

Sensitization: Sensitization possible through inhalation.

Additional toxicological information:

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

Harmful

12 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

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 08/21/2003

Revision Number 2

Reviewed on 06/06/2003

Trade name: DCI2154 GUNTHER PREMIER

(Contd. of page 3)

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **DOT regulations:**
- **Hazard class:** NON REGULATED
- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulations

· **Sara**

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

None of the ingredients is listed.

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

1330-20-7 xylene

101-68-8 4,4'-methylenediphenyl diisocyanate

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

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

1330-20-7 xylene

D

101-68-8 4,4'-methylenediphenyl diisocyanate

CBD;D

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

1330-20-7 xylene

3

101-68-8 4,4'-methylenediphenyl diisocyanate

3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

1330-20-7 xylene A4

· **MAK (German Maximum Workplace Concentration)**

101-68-8 4,4'-methylenediphenyl diisocyanate 3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

(Contd. on page 5)

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 08/21/2003

Revision Number 2

Reviewed on 06/06/2003

Trade name: DC12154 GUNTHER PREMIER

(Contd. of page 4)

Hazard-determining components of labelling:*4,4'-methylenediphenyl diisocyanate.***Risk phrases:***May cause sensitisation by inhalation.***Special labeling of certain preparations:***Contains isocyanates. See information supplied by the manufacturer.***National regulations:***Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.***16 Other information**

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, Royal Adhesives & Sealants makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Royal Adhesives & Sealants or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

Department issuing MSDS: Environment protection department.

USA