



**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Printing Date 01/12/2004

Revision Number 2

Reviewed on 01/12/2004

**1 Identification of substance**

**Product details**

Trade name: DC12955 Gunther Mirror & More Cleaner™

Article number: 12955

**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:**

111-76-2	ethylene glycol monobutyl ether	10 0%
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Additional information: For the wording of the listed risk phrases refer to section 15

**3 Hazards identification**

Hazard description: Not applicable.

**Information pertaining to particular dangers for man and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU/US" in the latest valid version.

**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	0	Health = 0
FIRE	1	Fire = 1
PHYSICAL HAZARD	0	Physical Hazard = 0

**4 First aid measures**

General information: No special measures required

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

(Contd. on page 2)

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(Contd. of page 1)

- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

## 5 Fire fighting measures

- Suitable extinguishing agents:  
CO<sub>2</sub>, 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: Not required
- Measures for environmental protection:  
Dilute with plenty of water.  
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)  
Mop up
- Additional information: No dangerous substances are released

## 7 Handling and storage

- Handling:  
Information for safe handling: Ensure good ventilation/exhaustion at the workplace  
Information about protection against explosions and fires: No special measures required
- 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: will freeze

## 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:

111-76-2 ethylene glycol monobutyl ether

PEL	240 mg/m <sup>3</sup> , 50 ppm
	Skin
REL	24 mg/m <sup>3</sup> , 5 ppm
	Skin
TLV	97 mg/m <sup>3</sup> , 20 ppm
	NIC-A3

- Additional information: The lists that were valid during the creation were used as basis
- Personal protective equipment:  
General protective and hygienic measures:  
The usual precautionary measures for handling chemicals should be followed
- Breathing equipment: Not required
- Protection of hands: Protective gloves

(Contd. on page 3)

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(Contd. of page 2)

Eye protection: Safety glasses with side shields

## 9 Physical and chemical properties

### General Information

Form: Fluid  
 Color: Yellow  
 Odor: Characteristic

### Change in condition

Melting point: Undetermined.  
 Boiling point: 171°C (340°F)

Flash point: N/A

Ignition temperature: N/A

Auto igniting: Product is not selfigniting

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

### Flammable limits:

Lower: 1.1 Vol %  
 Upper: 10.6 Vol %

Vapor pressure at 20°C (68°F): 1.2 hPa (1 mm Hg)

Specific gravity: 0.996

### Solubility in / Miscibility with

Water: Fully miscible

### Solvent content:

Organic solvents: 10.0 %

Solids content: 0.0 %

### Additional information:

VOC. = .829 LBS/GAL  
 WEIGHT PER GALLON = 9.29 LBS/GAL

## 10 Stability and reactivity

Materials to be avoided: Avoid contamination with alkalies or carbon dioxide.

Dangerous products of decomposition: Carbon monoxide and carbon dioxide

## 11 Toxicological information

### Acute toxicity:

### Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

### Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

(Contd. on page 4)

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(Contd of page 3)

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## 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.

## 13 Disposal considerations

### Product:

Recommendation: Smaller quantities can be disposed of with household waste

### Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

## 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):

None of the ingredients is listed.

#### 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.

#### Cancerogenity categories

#### EPA (Environmental Protection Agency)

None of the ingredients is listed.

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

None of the ingredients is listed.

(Contd on page 5)

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(Contd. of page 4)

**NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

**MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

**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:**

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations according to directives on hazardous materials.

**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