



Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 08/06/2008

Revision Number 5

Reviewed on 06/17/2008

1 Identification of substance

· **Product details**

· **Trade name:** DC12060 Gunther Ultra Bond ®

· **Article number:** 12060

· **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:**

64741-84-0	Naphtha (petroleum), solvent-refined light (textile spirits)	20.0%
108-88-3	toluene	7.5%
67-64-1	acetone	5.0%

· **Additional information:** For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

· **Hazard description:**

Toxic

Flammable

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

Highly flammable.

Harmful: may cause lung damage if swallowed.

· **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)**



Health = 2

Fire = 2

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH	2
FIRE	3
PHYSICAL HAZARD	0

Health = 2

Fire = 3

Physical Hazard = 0

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4 First aid measures

- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:**
Clean with rubbing alcohol, followed immediately by washing affected area with soap and water. Remove contaminated clothing. Wash clothing before reuse.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water and water with full jet
- **Protective equipment:** Coveralls

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
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.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **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:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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· **Components with limit values that require monitoring at the workplace:**

108-88-3 toluene

PEL	Short-term value: C 300; 500* ppm Long-term value: 200 ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm
TLV	(188) NIC-75 mg/m ³ , (50) NIC-20 ppm (Skin); (BEI)

67-64-1 acetone

PEL	2400 mg/m ³ , 1000 ppm
REL	590 mg/m ³ , 250 ppm
TLV	Short-term value: 1782 mg/m ³ , 750 ppm Long-term value: 1188 mg/m ³ , 500 ppm BEI

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Personal protective equipment (see listings below)**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· **Breathing equipment:**

In the absence of adequate ventilation, NIOSH-certified respiratory protection for organic vapor should be used as necessary. 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

* **9 Physical and chemical properties**

· **General Information**

Form:	Paste
Color:	TAN
Odor:	Characteristic

· **Change in condition**

Melting point:	Undetermined.
Boiling point:	60°C (140°F)

· **Flash point:** -17°C (1°F)

· **Ignition temperature:** 465.0°C (869°F)

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Specific gravity:** 1.070

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- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Solvent content:**
- Organic solvents: 32.5 %
- **Solids content:** 67.5 %
- **Additional information:** VOC = 2.75 LBS/GAL or 330 G/L
SCAQMD = 351 G/L
WEIGHT PER GALLON = 8.83 LBS/GAL (1060 G/L)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong oxidizers, acids, and bases.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous products of decomposition:**
HYDROGEN CHLORIDE, OXIDES OF CARBON AND NITROGEN UNDER BURNING CONDITIONS.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Oral	LD50	1200 mg/kg (rat)
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108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitizing effect through inhalation is possible with prolonged exposure.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Carcinogenic.

12 Ecological information

- **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.

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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:** 3
- **Identification number:** UN1133
- **Packing group:** III
- **Proper shipping name (technical name):** Adhesives
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** 3 Flammable liquids
- **UN-Number:** 1133
- **Description of goods:** Adhesives

15 Regulations

- **Sara**

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

None of the ingredients is listed.

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

108-88-3 | toluene

- **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:**

Warning: This product contains a chemical(s) known to the state of California to cause cancer.

64741-84-0 | Naphtha (petroleum), solvent-refined light (textile spirits)

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

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

108-88-3 | toluene

64741-84-0 | Naphtha (petroleum), solvent-refined light (textile spirits)

- **(DSL) Canada Domestic Substance List**

All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.

- **Carcinogeny categories**

- **EPA (Environmental Protection Agency)**

108-88-3 | toluene

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67-64-1 | acetone

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· IARC (International Agency for Research on Cancer)		
108-88-3	toluene	3

· NTP (National Toxicology Program)		
None of the ingredients is listed.		

· TLV (Threshold Limit Value established by ACGIH)		
108-88-3	toluene	A4
67-64-1	acetone	A4

· 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:**

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

- **Hazard-determining components of labelling:**

Naphtha (petroleum), solvent-refined light (textile spirits)
toluene
acetone

- **Risk phrases:**

Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.
Highly flammable.
Harmful: may cause lung damage if swallowed.

- **National regulations:**

- **Water hazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.**

1.6 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.**

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