



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

Printing Date 01/19/2004

Revision Number 1

Reviewed on 01/19/2004

**1 Identification of substance**

**Product details**

Trade name: **DC13102 Gunther Extra Build**

Article number: 13102

**Manufacturer/Supplier:**

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:**

142-82-5	heptane	16.4%
108-88-3	toluene	9.5%
8052-41-3	Stoddard solvent (mineral spirits)	7.0%

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

**3 Hazards identification**

**Hazard description:**

Toxic

Flammable

Dangerous for the environment

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

Has a narcotizing effect.

Highly flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Harmful: may cause lung damage if swallowed

Vapours may cause drowsiness and dizziness

**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 = 3  
Reactivity = 0

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: Overexposure, remove to fresh air and seek medical attention.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

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*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:* CO<sub>2</sub>, sand, extinguishing powder. Do not use water.  
*For safety reasons unsuitable extinguishing agents:* Water and water with full jet  
*Protective equipment:* Protective clothing and respiratory protective device.

## 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.  
 Inform respective authorities in case of seepage into water course or sewage system.  
*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:* Store as flammable liquid  
*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.

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

### 142-82-5 heptane

PEL	2000 mg/m <sup>3</sup> , 500 ppm
REL	Short-term value: C 1800* mg/m <sup>3</sup> , C 440* ppm Long-term value: 350 mg/m <sup>3</sup> , 85 ppm *15-min
TLV	Short-term value 2050 mg/m <sup>3</sup> , 500 ppm Long-term value: 1640 mg/m <sup>3</sup> , 400 ppm

### 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 <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	188 mg/m <sup>3</sup> , 50 ppm Skin, BEI

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**8052-41-3 Stoddard solvent (mineral spirits)**

PEL	2900 mg/m <sup>3</sup> , 500 ppm
REL	Short-term value: C 1800* mg/m <sup>3</sup> Long-term value: 350 mg/m <sup>3</sup> *15-min
TLV	525 mg/m <sup>3</sup> , 100 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.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.

**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

## 9 Physical and chemical properties

**General Information**

Form:	Paste
Color:	Black
Odor:	Characteristic

**Change in condition**

Melting point:	Undetermined.
Boiling point:	98°C (208°F)

Flash point: -4°C (25°F)

Ignition temperature: 215.0°C (419°F)

Auto igniting: Product is not selfigniting.

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

**Flammable limits:**

Lower:	1.1 Vol %
Upper:	7.0 Vol %

Vapor pressure at 20°C (68°F): 48.0 hPa (36 mm Hg)

Specific gravity at 20°C (68°F): 1.102 g/cm<sup>3</sup>

**Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

**Solvent content:**

Organic solvents: 32.9 %

Solids content: 67.1 %

Additional information: VOC. = 3.01 LBS/GAL  
WEIGHT PER GALLON. = 9.172 Lbs/Gal

## 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: Keep away from extreme heat, sparks, open flames
- Dangerous reactions: Strong oxidizers, acids and bases.

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Dangerous products of decomposition: Oxides of carbon and nitrogen

## 11 Toxicological information

### Acute toxicity:

#### LD/LC50 values that are relevant for classification:

#### 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

### Ecotoxicological effects:

Remark: Toxic for fish

### 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

Also poisonous for fish and plankton in water bodies

Toxic for aquatic organisms

## 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, flammable

## 15 Regulations

### Sara

#### Section 355 (extremely hazardous substances):

None of the ingredients is listed.

#### Section 313 (Specific toxic chemical listings):

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**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:**

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

108-88-3 | toluene

**(DSL) Canada Domestic Substance List**

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

**Carcinogenicity categories****EPA (Environmental Protection Agency)**

108-88-3 | toluene | D

**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

**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:**

heptane

Stoddard solvent (mineral spirits)

**Risk phrases:**

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

Highly flammable.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Harmful: may cause lung damage if swallowed

Vapours may cause drowsiness and dizziness

**National regulations:**

Water hazard class: Water hazard class 3 (Self-assessment). extremely 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