

## Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing Date 05/30/2012

Revision Number 1

Reviewed on 05/30/2012

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** 56667 (Hardman Kalex 16667 Part B)
- **Article number:** 56667
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Royal Adhesives And Sealants, LLC  
2001 W. Washington Street  
South Bend IN 46628-2023
- **Information department:** Environment protection department.
- **Emergency telephone number:** ChemTrec: UNITED STATES 1(800)424-9300 INTERNATIONAL 703-527-3887

### 2 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
Trade Secret
- **Identification number(s)** N/A
- **Chemical characterization: Mixtures**
- **Description:** Polyols with Trade Secret and non-hazardous ingredients.

· **Dangerous components:**

1332-58-7	Kaolin	10-25%
	Amorphous Fumed Silica	≤2.5%
1333-86-4	Carbon black	≤2.5%

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

### 3 Hazards identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human 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.
- **Label elements**
- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations according to directives on hazardous materials.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 1  
Reactivity = 0

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## · HMIS-ratings (scale 0 - 4)

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

## \* 4 First aid measures

- **General information:** No special measures required.
- **After inhalation:**  
Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.  
Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Seek medical treatment.

## \* 5 Firefighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
Use fire fighting measures that suit the environment.
- **Protective equipment:** Protective clothing and respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

## \* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
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.
- **Reference to other sections**  
Wash contaminated area with soap and water to prevent slips.  
No dangerous substances are released.

## \* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

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## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data.

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

### 1332-58-7 Kaolin (10-25%)

PEL	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	2* mg/m <sup>3</sup> E; as respirable fraction

### 1333-86-4 Carbon black ( $\leq 0.5\%$ )

PEL	3.5 mg/m <sup>3</sup>
REL	3.5* mg/m <sup>3</sup> *0.1 in presence of PAHs, as PAHs; 10-hr TWA
TLV	3* mg/m <sup>3</sup> *inhalable fraction

· **Additional information:**

This product contains Carbon Black which is not considered hazardous in a wet or encapsulated state. However, if a formula containing hazardous fillers is reduced to a respirable fraction by grinding or putting into an airborne powder, the powder is considered a hazardous material.

The lists that were valid during the creation were used as basis.

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

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:** Not required.

· **Protection of hands:**

· **Material of gloves**

Nitrile rubber, NBR

Chloroprene rubber, CR

· **Eye protection:** Safety glasses with side shields.

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· **General Information**

· **Appearance:**

Form: Liquid

Color: Black

· **Odor:** Mild

· **Change in condition**

Melting point: Undetermined.

Boiling point: Undetermined.

· **Flash point:** > 168°C (> 334 °F)

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

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

· **Specific gravity at 20°C (68 °F):** 1.46 g/cm<sup>3</sup> (12.184 lbs/gal)

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- |  |   |
|--|---|
| <b>· Solubility in / Miscibility with Water:</b> | <i>Not miscible or difficult to mix.</i>          |
| <b>· Solvent content:</b>                        |   |
| <b>Organic solvents:</b>                         | 0.0 %   |
| <b>· Other information</b>                       | <i>No further relevant information available.</i> |

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **Incompatible materials:** *No further relevant information available.*
- **Hazardous decomposition products:** *Carbon monoxide and carbon dioxide*

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *May irritate the skin.*
- **on the eye:** *May irritate the eye.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**  
*The product is not subject to classification according to internally approved calculation methods for preparations.*  
*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

- **Aquatic toxicity:** *No further relevant information available.*
- **Persistence and degradability** *No further relevant information available.*
- **Behavior in environmental systems:**
- **Bioaccumulative potential** *No further relevant information available.*
- **Additional 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

- **Waste treatment methods**
- **Recommendation:**  
*Disposal must be made according Federal, State and local regulations.*  
*Smaller quantities can be disposed of with household waste.*  
*Disposal must be made according to official regulations.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

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## 14 Transport information

<b>· UN-Number</b>	Void
<b>· DOT, ADR, ADN, IMDG, IATA</b>	Void
<b>· UN proper shipping name</b>	Void
<b>· DOT, ADR, ADN, IMDG, IATA</b>	Void
<b>· Transport hazard class(es)</b>	
<b>· DOT</b>	Void
<b>· Class</b>	Non-Hazardous
<b>· ADR, IMDG, IATA</b>	Void
<b>· Class</b>	Not Regulated
<b>· ADN/R Class:</b>	Void
<b>· Packing group</b>	Void
<b>· DOT, ADR, IMDG, IATA</b>	Void
<b>· Special precautions for user</b>	Not applicable.
<b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>· Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>· UN "Model Regulation":</b>	-

## 15 Regulatory information

<b>· Sara</b>
<b>· Section 355 (extremely hazardous substances):</b>
None of the ingredients is listed.
<b>· Section 313 (Specific toxic chemical listings):</b>
None of the ingredients is listed.
<b>· TSCA (Toxic Substances Control Act):</b>
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
<b>· Proposition 65</b>
<b>· Chemicals known to cause cancer:</b>
1333-86-4 Carbon black
<b>· Chemicals known to cause reproductive toxicity:</b>
None of the ingredients is listed.
<b>· (DSL) Canada Domestic Substance List</b>
All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.
<b>· Cancerogenity categories</b>
<b>· EPA (Environmental Protection Agency)</b>
None of the ingredients is listed.

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· <b>IARC (International Agency for Research on Cancer)</b>		
1333-86-4	Carbon black	2B
· <b>NTP (National Toxicology Program)</b>		
None of the ingredients is listed.		
· <b>TLV (Threshold Limit Value established by ACGIH)</b>		
1332-58-7	Kaolin	A4
1333-86-4	Carbon black	A4
· <b>MAK (German Maximum Workplace Concentration)</b>		
1333-86-4	Carbon black	3B
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
1333-86-4	Carbon black	
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
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.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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