

1 Identification of substance

- **Product details**
- **Trade name:** M6325 Silaprene Adhesive Sealant
- **Article number:** 6325
- **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:**

108-88-3	toluene	50.0%
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- **Additional information:** For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

- **Hazard description:**
Harmful
Flammable
- **Information pertaining to particular dangers for man and environment:**
Highly flammable.
Harmful by inhalation.
- **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

Fire = 3

Physical Hazard = 0

4 First aid measures

- **After inhalation:** Overexposure, remove to fresh air and seek medical attention.
- **After skin contact:** Wash contaminated skin with soap and water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

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Material Safety Data Sheet

acc. to ISO/DIS 11014

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Revision Number 5

Reviewed on 06/23/2004

Trade name: DC12176 SILAPRENE SOLIDSEAL

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- **After swallowing:** Seek medical treatment.

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:**

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 mg/m ³ , 50 ppm Skin; 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.

Wash hands before breaks and at the end of work.

· **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:	Viscous paste
Color:	Gray
Odor:	Characteristic

· **Change in condition**

Melting point:	Undetermined.
Boiling point:	111°C (232°F)

· **Flash point:** 7°C (45°F)

· **Ignition temperature:** 535.0°C (995°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:	1.2 Vol %
Upper:	7.0 Vol %

· **Vapor pressure at 20°C (68°F):** 29.0 hPa (22 mm Hg)

· Specific gravity:	1.070
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Segregation coefficient (n-octanol/water):	N/D
· Solvent content:	
Organic solvents:	50.0 %
· Solids content:	50.0 %
· Additional information:	"NOTICE: This product does not comply with the requirements of Rule 1168 of California's South Coast Air Quality Management District". voc: = 4.16 lbs/gal weight per gallon: = 8.90 Lbs.

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.
- **Dangerous products of decomposition:**
Oxides of carbon, nitrogen and hydrocarbons, hydrogen chloride (thermal degradation products).
- **Additional information:** Stable at ambient temperature and pressures.

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:** 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 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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Danger to drinking water if even small quantities leak into the ground.

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, mixture*

· **Land transport ADR/RID (cross-border):**



· **ADR/RID class:**

3 Flammable liquids

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· Chemicals known to cause reproductive toxicity:

Substance is listed.

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

All ingredients are listed.

· (DSL) Canada Domestic Substance List

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

· Cancerogenity categories

· EPA (Environmental Protection Agency)

108-88-3 toluene

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· IARC (International Agency for Research on Cancer)

108-88-3 toluene

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· 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:

toluene

· Risk phrases:

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

15 Regulations

- **Sara**

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

None of the ingredients is listed.

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

All ingredients are 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.

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