

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing Date 11/24/2008

Revision Number 2

Reviewed on 06/06/2003

1 Identification of substance

- **Product details**
- **Trade name:** DC12742 SILAPRENE ADHESIVE
- **Article number:** 12742
- **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:**

67-64-1	acetone	71.0%
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- **Additional information:** For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

- **Hazard description:**
 Irritant
 Flammable
- **Information pertaining to particular dangers for man and environment:**
 Has a narcotizing effect.
 Highly flammable.
 Irritating to eyes.
 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)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
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.

(Contd. on page 2)

Material Safety Data Sheet

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Revision Number 2

Reviewed on 06/06/2003

Trade name: DC12742 SILAPRENE ADHESIVE

(Contd. of page 1)

- **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:** Wear self-contained 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).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

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.
Protect against electrostatic charges.
- **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:**

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.

(Contd. on page 3)

USA

Material Safety Data Sheet

acc. to ISO/DIS 11014

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Revision Number 2

Reviewed on 06/06/2003

Trade name: DC12742 SILAPRENE ADHESIVE

(Contd. of page 2)

- **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.
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **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:	Liquid
Color:	Amber colored
Odor:	Characteristic

· Change in condition

Melting point:	Undetermined.
Boiling point:	55°C (131°F)

· **Flash point:** -19°C (-2°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.

· Flammable limits:

Lower:	2.6 Vol %
Upper:	13.0 Vol %

· **Vapor pressure at 20°C (68°F):** 233.0 hPa (175 mm Hg)

· **Specific gravity:** 0.846

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Solvent content:

Organic solvents: 71.0 %

· **Solids content:** 29.0 %

· Additional information:

VOC: = 0.0 LBS/GAL
 WEIGHT PER GALLON: = 7.04 LBS

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Strong oxidizers, acids and bases.

(Contd. on page 4)

USA

Material Safety Data Sheet

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Revision Number 2

Reviewed on 06/06/2003

Trade name: DC12742 SILAPRENE ADHESIVE

(Contd. of page 3)

- **Dangerous products of decomposition:**
OXIDES OF CARBONS AND NITROGEN UNDER BURNING CONDITIONS.

11 Toxicological information

- **Acute toxicity:**

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

67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

- **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:
Irritant

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:**

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:** II

- **Proper shipping name (technical name):** Adhesives, flammable

- **Maritime transport IMDG:**

- **Marine pollutant:** .

USA

(Contd. on page 5)

Material Safety Data Sheet

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Revision Number 2

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Trade name: DC12742 SILAPRENE ADHESIVE

(Contd. of page 4)

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)

67-64-1 acetone

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· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

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.

· Risk phrases:

Highly flammable.

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

· 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.