

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/02/2005

Reviewed on 01/02/2005

1 Identification of substance

- **Product details**

- **Trade name:** Sure Bond (EVA)

- **Article number:** 83-259019

- **Application of the substance / the preparation**

- **Manufacturer/Supplier:**

Symons

4226 Kansas Avenue

Kansas City, KS 66106

Tel.: (877) 854-0643

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

2 Composition/Data on components

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

108-05-4	vinyl acetate	25-50%
74-85-1	ethylene	£ 10%
141-78-6	ethyl acetate	£ 10%
75-07-0	acetaldehyde	£ 1%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** Not applicable.

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

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.

- **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	0	Health = *0
FIRE	0	Fire = 0
PHYSICAL HAZARD	0	Reactivity = 0

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4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **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.
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 contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Protect against electrostatic charges.
- **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.

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:**

108-05-4 vinyl acetate

REL () Short-term value: C 15* mg/m³, C 4* ppm
*15-min
TLV () Short-term value: 53 mg/m³, 15 ppm
Long-term value: 35 mg/m³, 10 ppm

74-85-1 ethylene

TLV () 230 mg/m³, NIC-100 ppm
(Simple asphyxiant)

141-78-6 ethyl acetate

PEL () 1400 mg/m³, 400 ppm
REL () 1400 mg/m³, 400 ppm
TLV () 1440 mg/m³, 400 ppm

75-07-0 acetaldehyde

PEL () 360 mg/m³, 200 ppm
REL () Lowest feasible conc.
TLV () Short-term value: C 45 mg/m³, C 25 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.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

· **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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests, no recommendation to the glove material can be given for the product.

Select the glove material upon consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

· **General Information**

Form: Fluid

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Color:	According to product specification
Odor:	Characteristic
· Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: > 100°C (> 212°F)	
· Flash point:	Not applicable.
· Ignition temperature:	425.0°C (797°F)
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits: Lower: 2.6 Vol % Upper: 13.4 Vol %	
· Vapor pressure at 20°C (68°F): 111.0 hPa (83 mm Hg)	
· Density at 20°C (68°F): 1.07 g/cm ³	
· Solubility in / Miscibility with Water: Not miscible or difficult to mix.	
· Solvent content: Organic solvents: 8.5 % Water: 41.0 %	
· Volatile Organic Compounds: Not determined	

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

75-07-0 acetaldehyde

Oral	LD50	661 mg/kg (rat)
Inhalative	LC50/4 h	37 mg/l (rat)

· **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

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

13 Disposal considerations

- **Product:**

- **Recommendation:** Must not be disposed of as normal garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

14 Transport information

- **Limited Quantity Exemption:**

No Limited Quantity exemption applies for this shipping class.

- **U.S. Domestic Ground Shipments:**

Same as listed for Standard Shipments above.

- **U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments:**

Same as listed for Standard Shipments above.

- **Emergency Response Guide (ERG) Number:**

Not determined

- **Maritime transport IMDG:**

- **Marine pollutant:**

No

15 Regulations

- **Sara**

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

108-05-4	vinyl acetate
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- **Section 313 (Specific toxic chemical listings):**

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

108-05-4	vinyl acetate	25-50%
74-85-1	ethylene	£10%
75-07-0	acetaldehyde	£1%

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to the State of California (Prop. 65) to cause cancer:**

75-07-0	acetaldehyde
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- **Chemicals known to the State of California (Prop. 65) to cause reproductive toxicity:**

None of the ingredients is listed.

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· **Cancerogenity categories**· **EPA (Environmental Protection Agency)**

75-07-0 | acetaldehyde | B2

· **IARC (International Agency for Research on Cancer)**

108-05-4 | vinyl acetate | 2B

74-85-1 | ethylene | 3

75-07-0 | acetaldehyde | 2B

· **NTP (National Toxicology Program)**

75-07-0 | acetaldehyde | R

· **TLV (Threshold Limit Value established by ACGIH)**

108-05-4 | vinyl acetate | A3

74-85-1 | ethylene | A4

75-07-0 | acetaldehyde | A3

· **MAK (German Maximum Workplace Concentration)**

108-05-4 | vinyl acetate | 3

74-85-1 | ethylene | 3

75-07-0 | acetaldehyde | 3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

75-07-0 | acetaldehyde

· **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 symbols:** Xn Harmful· **Hazard-determining components of labelling:** acetaldehyde· **Risk phrases:** 40 Limited evidence of a carcinogenic effect.· **Safety phrases:**

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

13 Keep away from food, drink and animal feedingstuffs.

23 Do not breathe fumes/aerosol.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of soap and water.

29 Do not empty into drains.

33 Take precautionary measures against static discharges.

36/37 Wear suitable protective clothing and gloves.

46 If swallowed, seek medical advice immediately and show this container or label.

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- **National regulations:**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

The provided information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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- **Department issuing MSDS:** Environmental, Health & Safety Department
- **Contact:** Environmental, Health & Safety Manager

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