

Material Safety Data Sheet

acc. to ISO/DIS 11014

TEKTON 29

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1. IDENTIFICATION OF SUBSTANCE

· **Product details**

· **Trade name:** Sprayable Seam Sealer

· **Article number:** Tekton 29

· **Application of the substance / the preparation:** Sealant

· **Manufacturer/Supplier:**

Chemicar USA

670 New York Street

Memphis, TN 38104

Tel: 901 274 3347

Fax: 901 274 8816

E-mail: sales@chemicar.com

· **Information department:** Product safety department.

· **Emergency information:** Tel: 800 424 9300 Chemtrec

2. COMPOSITION/DATA ON COMPONENTS

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with non-hazardous additions.

· **Dangerous components:**

CAS: 1330-20-7

EINECS: 215-535-7

Xylene, mixed isomers, pure

Xn, R 10-20/21-38

25-<50%

CAS: 71-36-3

EINECS: 200-751-6

Butan-1-ol

Xn; R10-22-37/38-41-67

1-<5%

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

3. HAZARDS IDENTIFICATION

· **Hazard description:**

Xn Harmful

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

The product has to be labeled due to the calculation procedure of international guidelines.

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 38 Irritating to skin

· **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

Reactivity = 0

4. FIRST AID MEASURES

· **General information:** Symptoms of poisoning may even occur after several hours. As a consequence, medical observation must continue for at least 48 hours after the accident.

· **After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation

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

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES

· **Suitable extinguishing agents:**

CO₂, sand or extinguishing powder. Do not use water

· **For safety reasons unsuitable extinguishing agents:** Water. Water with full jet.

· **Protective equipment:** Mouth 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 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 according to item 13.

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.

Prevent formation of aerosols.

· **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:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

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:**

1317-65-3 Ground, natural Calcium carbonate (25<50%)

PEL 15*; 5** mg/m³

*Total dust **Respirable fraction

REL 10*; 5** mg/m³

*Total dust **Respirable fraction

TLV 10 mg/m³

(e)

1330-20-7 Xylene, mixed isomers, pure (25<50%)

PEL 435 mg/m³, 100 ml/m³

REL Short-term value: 655 mg/m³, 150 ml/m³

Long-term value: 435 mg/m³, 100 ml/m³

(o-,m-, & p-isomers)

TLV

Short-term value: 651 mg/m³, 150 ml/m³

Long-term value: 434 mg/m³, 100 ml/m³

BEI

71-36-3 butan-1-ol (I<5%)

PEL 300 mg/m³, 100 ppm

REL Short term value: C 150 mg/m³, C 50 ppm Skin

TLV 61 mg/m³, 20 ppm

· **CAS No. Designation of material % Type Value Unit**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **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.

Avoid contact with the skin.

Avoid close or long term contact with the skin.

Avoid contact with the eyes and skin.

· **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.

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/ the preparation/ the chemical mixture.

Selection of the glove material on 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 cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

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

· **Eye protection:**

Tightly sealed goggles

Goggles recommended during refilling.

· **Body protection:** Use protective suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

· **General Information**

Form: Viscous

Color: Beige

Odor: Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 135°C

· **Flash point:** 24°C (DIN 53213)

· **Ignition temperature:** 500.0°C

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

· **Explosion limits:**

Lower: 1.0 Vol %

Upper: 7.0 Vol %

· **Vapor pressure at 20°C:** 6.0 hPa

· **Density at 20°C:** 1.190 g/cm³ (DIN 51757)

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

pH-value at 20°C: 7.0.

· **Viscosity:**

Dynamic at 20°C: 160000 mPas

· **Solvent content:**

Organic solvents: 44.6 %

VOC content: 44.6 %

· **Solids content:** 55.4 % (DIN 53216)

· **Additional information:**

VOC (EU): 44.63 %

VOC (EU): 531.1 g/l

VOC (US): 531.1 g/l / 4.43 lb/gl

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:**

1330-20-7 Xylene, mixed isomers, pure.

Oral LD50, 8700 mg/kg (RAT)

Dermal LD50, 2000 mg/kg (RABBIT)

Inhalative LC50/4 h 6350mg/l (RAT)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **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:
Harmful
Irritant

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 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:** UN1139
· **Packing group:** III
· **Proper shipping name (technical name):** COATING SOLUTION
· **Label 3**
· **Land transport ADR/RID (cross-border):**
· **ADR/RID class:** -
Remarks: Transport is in line with the remarks under 2.2.3.1.5 of the ADR code till a volume of 450 ltr. If ADR >450ltr than class 3F1, packaging group III must be applied.
· **Maritime transport IMDG:**
· **IMDG Class:** - 3
· **Marine pollutant:** No
Remarks: Transport is in line with the remarks under 2.3.2.5 of the IMDG code till a volume of 30 ltr. If IMDG >30ltr than class 3, packaging group III must be applied.
· **Air transport ICAO-TI and IATA-DGR:**
· **ICAO/IATA Class:** 3
· **UN/ID Number:** 1139
· **Label 3**
· **Packaging group:** III
· **Proper shipping name:** COATING SOLUTION

15. REGULATIONS

Product related hazard information:
The product has been classified and marked in accordance with directives on hazardous materials.
· **Hazard symbols:**
Xn Harmful
Hazard-determining components of labeling:

Xylene, mixed isomers, pure.

· **Risk phrases:**

10 flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

· **Safety phrases:**

9 Keep container in a well-ventilated place.

23 Do not breathe fumes / aerosol

25 Avoid contact with eyes

36/37 Wear suitable protective clothing and gloves

51 Use only in well-ventilated areas.

60 This material and its container must be disposed of as hazardous waste

· **National regulations:**

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

16. OTHER INFORMATION

This 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.

· **Relevant R-phrases**

10 Flammable.

20/21 Harmful by inhalation and by contact with skin.

22 Harmful if swallowed

37/38 Irritating to respiratory system and skin.

38 Irritating to skin

41 Risk of serious damage to eyes

67 Vapors may cause drowsiness and dizziness

· **Department issuing MSDS:** Product safety department.

· **Contact:**

Ing. A Bookholt

Manager Research & Development