

Printing date 09/25/2014

Reviewed on 05/19/2014

1 Identification

- **Product identifier**
- **Trade name:** *Sprayable seamsealer tan*
- **Article number:** *Tekton 29*
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** *Sealant*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Chemicar USA
670 New York Street
Memphis, TN 38104
Tel: 1 (800) 261-7976
Fax: 1 (901) 274-8816
Email: Gino.Bauwens@chemicar.com*
- **Information department:** *Product safety department.*
- **Emergency telephone number:** *Tel: 1 (800) 424-9300*

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS08

Carc. 2 H351 Suspected of causing cancer.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Harmful

Harmful by inhalation and in contact with skin.

Irritant

*Irritating to skin.**Flammable.*

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" 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**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** *GHS02, GHS07, GHS08*

- **Signal word** *Warning*

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- **Hazard-determining components of labeling:**

Titanium dioxide

- **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H351 Suspected of causing cancer.

- **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazard description:**

- **Canadian Hazard Symbols**

B2 - Flammable liquid

D2B - Toxic material causing other toxic effects



- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

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

- **Dangerous components:**

CAS: 1330-20-7 EINECS: 215-535-7	Xylene, mixed isomers, pure	25-<50%
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide	1-<5%
CAS: 64742-82-1 EINECS: 265-185-4	Naphtha (petroleum), hydrodesulfurized heavy	<1%

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

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4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation 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.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** *If symptoms persist consult doctor.*
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** *CO₂, sand, extinguishing powder. Do not use water.*
- **For safety reasons unsuitable extinguishing agents:**
Water
Water with full jet
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *Mount respiratory protective device.*
- **Additional information** *Cool endangered receptacles with water spray.*

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **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 contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Use only in well ventilated areas.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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- **Conditions for safe storage, including any incompatibilities**
- **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.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

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

1330-20-7 Xylene, mixed isomers, pure

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm
BEI	

- **Ingredients with biological limit values:**

1330-20-7 Xylene, mixed isomers, pure

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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- **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.

- **Exposure controls**

- **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.
Do not inhale gases / fumes / aerosols.
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.

- **Protection of hands:**



Protective gloves

- **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.

Fluorocarbon rubber (Viton)

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*Recommended thickness of the material: ≥ 0.12 mm***· Penetration time of glove material***> 480 min.**The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.***· Eye protection:***Tightly sealed goggles***· Body protection: Use protective suit.****9 Physical and chemical properties****· Information on basic physical and chemical properties****· General Information****· Appearance:****Form:** Viscous**Color:** Beige**· Odor:** Characteristic**· Odour threshold:** Not determined.**· pH-value at 20 °C:** 7.0**· Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** 135 °C**· Flash point:** 24 °C (DIN 53213)**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** 500 °C**· Decomposition temperature:** Not determined.**· Auto igniting:** Product is not selfigniting.**· 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 hPa**· Density at 20 °C:** 1.19 g/cm³ (DIN 51757)**· Relative density** Not determined.**· Vapour density** Not determined.**· Evaporation rate** Not determined.**· Solubility in / Miscibility with****Water:** Not miscible or difficult to mix.**· Partition coefficient (n-octanol/water):** Not determined.**· Viscosity:****Dynamic at 20 °C:** 160000 mPas**Kinematic:** Not determined.**· Solvent content:****Organic solvents:** 39.9 %

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VOC content:	39.9 %
Solids content:	60.0 % (DIN 53216)
Other information	No further relevant information available.
· VOC (EU):	39.92 %
· VOC (EU):	475.0 g/l
· VOC (US):	475.0 g/l / 3.96 lb/gl

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

ATE (Acute Toxicity Estimates)

Oral	LD50	9.904 mg/kg
Dermal	LD50	4.960 mg/kg
Inhalative	LC50/4 h	414 mg/l

1330-20-7 Xylene, mixed isomers, pure

Oral	LD50	8700 mg/kg (RAT)
Dermal	LD50	2000 mg/kg (RABBIT)
Inhalative	LC50/4 h	6350 mg/l (RAT)
	LC50/24 h	100-1000 mg/l (DAPHNIA MAGNA)
	LC50/96 h	11.9-25.1 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

13463-67-7 Titanium dioxide

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (RABBIT)
Inhalative	LC50/4 h	>6.8 mg/l (RAT)
	LC50/48 h	>100 mg/l (DAPHNIA MAGNA) >1000 mg/l (Fish)
	LC50/96 h	>100 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS) >1000 mg/l (pimephales promelas)

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Oral	LD50	>6500 mg/kg (RAT)
Dermal	LD50	>3000 mg/kg (RABBIT)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

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

Harmful
Irritant

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

1330-20-7	Xylene, mixed isomers, pure	3
9003-55-8	Benzene, ethenyl-, polymer with 1,3-butadiene	3
13463-67-7	Titanium dioxide	2B
100-41-4	Ethylbenzene	2B
1309-37-1	Diiron trioxide	3
1333-86-4	Carbon black	2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

* **12 Ecological information**· **Toxicity**· **Aquatic toxicity:****13463-67-7 Titanium dioxide**

EC50/72 h >10000 mg/l (ALGAE)

61 mg/l (SELENASTRUM CAPRICORNUTUM)

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional 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.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

* **13 Disposal considerations**· **Waste treatment methods**· **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**· **UN-Number**

· **DOT, IMDG, IATA**

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· ADR, ADN Void

· UN proper shipping name

· DOT Paint

· ADR, ADN Void

· IMDG, IATA PAINT

· Transport hazard class(es)

· DOT



· Class 3 Flammable liquids

· Label 3

· ADR, ADN

· Class Void

· IMDG, IATA



· Class 3 Flammable liquids

· Label 3

· Packing group

· DOT, IMDG, IATA III

· ADR Void

· Environmental hazards:

· Marine pollutant: No

· Special precautions for user Not applicable.

· EMS Number: F-E, S-E

· Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information: Transport classification ADR/IMGD is based on packaging >30ltr(IMDG), <450ltr(ADR).
For other packaging units different classification can apply.
See ADR 2.2.3.1.3/ 2.2.3.1.4 und IMDG 2.3.2.3 / 2.3.2.5

· DOT

· Quantity limitations On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

· IMDG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

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

None of the ingredient is listed.

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

Xylene, mixed isomers, pure	25-<50%
butan-1-ol	<1%
Ethylbenzene	<1%

· **Proposition 65**· **Chemicals known to cause cancer:**

Titanium dioxide	1-<5%
Ethylbenzene	<1%
Carbon black	<1%

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

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

Xylene, mixed isomers, pure	I	25-<50%
butan-1-ol	D	<1%
Ethylbenzene	D	<1%

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

Xylene, mixed isomers, pure	A4	25-<50%
Titanium dioxide	A4	1-<5%
Ethylbenzene	A3	<1%
Diron trioxide	A4	<1%
Carbon black	A4	<1%

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

Titanium dioxide	1-<5%
Carbon black	<1%

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** GHS02, GHS07, GHS08· **Signal word** Warning· **Hazard-determining components of labeling:**

Titanium dioxide

· **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H351 Suspected of causing cancer.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Department issuing MSDS:** Product safety department.
- **Contact:** Gino.Bauwens@chemicar.com
- **Date of preparation / last revision** 09/25/2014 / 2
- **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)
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - WHMIS: Workplace Hazardous Materials Information System (Canada)
 - VOC: Volatile Organic Compounds (USA, EU)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - Flam. Liq. 3: Flammable liquids, Hazard Category 3
 - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 - Carc. 2: Carcinogenicity, Hazard Category 2
- *** Data compared to the previous version altered.**

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