

**1 Identification**

- **Product identifier**
- **Trade name:** *Tekton Sprayable Seamsealer Black*  
**Article number:** *Tekton 27*
- **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

*Flammable liquid and vapor.*



GHS08

*May cause damage to organs through prolonged or repeated exposure.*



GHS07

*Causes skin irritation.*

*May cause respiratory irritation.*

- **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*
- **Hazard-determining components of labeling:**  
*Xylene, mixed isomers, pure*
- **Hazard statements**  
*H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.*
- **Precautionary statements**  
*P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P243 Take precautionary measures against static discharge.*

**Trade name: Tekton Sprayable Seamsealer Black**

(Contd. of page 1)

- P280 Wear protective gloves/protective clothing/eye protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1  
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	Xylene, mixed isomers, pure	25-<50%
EINECS: 215-535-7		

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

**4 First-aid measures**

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air or oxygen; call for doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.  
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.
- **Information for 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:**  
Sand. Do not use water.  
CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**  
Water  
Water with full jet

(Contd. on page 3)



**Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD**

(Contd. of page 3)

Protect against electrostatic charges.  
Keep respiratory protective device available.

- **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:**

**CAS: 1330-20-7 Xylene, mixed isomers, pure**

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

- **Regulatory information**  
 PEL: Guide to Occupational Exposure Values (OSHA PELs)  
 REL: Guide to Occupational Exposure Values (NIOSH RELs)  
 TLV: Guide to Occupational Exposure Values (ACGIH)

· **Ingredients with biological limit values:**

**CAS: 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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- **Regulatory information** BEI: Guide to Occupational Exposure Values (BEI)
- **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.
- Store protective clothing separately.
- 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.



Filter A

(Contd. on page 5)

**Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD**

(Contd. of page 4)

· **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)

Recommended thickness of the material:  $\geq 0.12$  mm

· **Penetration time of glove material**

> 480 min.

The exact break through 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:**

· <b>Form:</b>	Pasty
· <b>Color:</b>	Black
· <b>Odor:</b>	Characteristic
· <b>Odor threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	136-145 °C

· **Flash point:** 23-29 °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:**

· <b>Lower:</b>	1 Vol %
· <b>Upper:</b>	7.1 Vol %

· **Vapor pressure at 20 °C:** 10 hPa

· **Vapour pressure at 50 °C:** 20 hPa

· **Density at 20 °C:** 1.19 g/cm<sup>3</sup> (DIN 51757)

· **Relative density** Not determined.

(Contd. on page 6)

Printing date 09/27/2018

Reviewed on 09/27/2018

**Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD**

(Contd. of page 5)

· <b>Vapor density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic at 20 °C:</b>	160,000 mPas
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	40.2 %
<b>VOC content:</b>	40.23 %
<b>Solids content:</b>	59.6 % (DIN 53216)
· <b>Other information</b>	No further relevant information available.
· <b>VOC (EU):</b>	40.23 %
· <b>VOC (EU):</b>	478.7 g/l
· <b>VOC (US):</b>	478.7 g/l / 4.00 lb/gal

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **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 Estimate)**

Oral	LD50	8,901-10,106 mg/kg (RAT)
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**CAS: 1330-20-7 Xylene, mixed isomers, pure**

Oral	LD50	3,523-4,000 mg/kg (RAT)
Dermal	LD50	12,126 mg/kg (RABBIT)
Inhalative	LC50/4 h	6,350 mg/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:  
Irritant  
No further relevant information available.

(Contd. on page 7)

**Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD**

(Contd. of page 6)

· **Carcinogenic categories**

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

CAS: 1330-20-7	Xylene, mixed isomers, pure	3
CAS: 9003-55-8	Benzene, ethenyl-, polymer with 1,3-butadiene	3
CAS: 1330-20-7	Xylene, mixed isomers, pure	3
CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )	1
CAS: 1333-86-4	Carbon black	2B
CAS: 100-41-4	Ethylbenzene	2B
CAS: 50-00-0	formaldehyde	1

· **NTP (National Toxicology Program)**

Quartz (SiO <sub>2</sub> )	K	<1%
formaldehyde	K	<1%

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

CAS: 50-00-0	formaldehyde
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**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **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.  
Dispose of as dangerous waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

· <b>UN-Number</b>	
· <b>DOT, IMDG, IATA</b>	UN1263
· <b>ADR/RID/ADN, ADN</b>	Void
· <b>UN proper shipping name</b>	
· <b>DOT</b>	Paint
· <b>ADR/RID/ADN, ADN</b>	Void



(Contd. on page 8)

Printing date 09/27/2018

Reviewed on 09/27/2018

Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD

(Contd. of page 7)

· <b>IMDG, IATA</b>	PAINT
· <b>Transport hazard class(es)</b>	
· <b>DOT</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>ADR/RID/ADN, ADN</b>	
· <b>Class</b>	Void
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>DOT, IMDG, IATA</b>	III
· <b>ADR/RID/ADN</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>EMS Number:</b>	F-E, S-E
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Transport classification ADR/IMGD is based on packaging >30ltr(IMDG), <450ltr(ADR). For other packaging unities different classification can apply.
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	Void

**15 Regulatory information**

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

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

formaldehyde

<1%

(Contd. on page 9)



Printing date 09/27/2018

Reviewed on 09/27/2018

**Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD**

(Contd. of page 8)

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

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

**· Proposition 65**

**· Chemicals known to cause cancer:**

Quartz (SiO2)	<1%
Carbon black	<1%
Ethylbenzene	<1%
formaldehyde	<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.

**· Cancerogenity categories**

**· EPA (Environmental Protection Agency)**

Xylene, mixed isomers, pure	I	25-<50%
Xylene, mixed isomers, pure	I	<1%
butan-1-ol	D	<1%
Ethylbenzene	D	<1%
formaldehyde	B1	<1%

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

Xylene, mixed isomers, pure	A4	25-<50%
Xylene, mixed isomers, pure	A4	<1%
Quartz (SiO2)	A2	<1%
Carbon black	A4	<1%
Ethylbenzene	A3	<1%
formaldehyde	A2	<1%

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

Quartz (SiO2)	<1%
Carbon black	<1%
formaldehyde	<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:**

Xylene, mixed isomers, pure

(Contd. on page 10)

Printing date 09/27/2018

Reviewed on 09/27/2018

**Trade name: 7HNWRQ6SUDPEOH6HDPVHBOHUOD**

(Contd. of page 9)

· **Hazard statements**

- H226 Flammable liquid and vapor.*
- H315 Causes skin irritation.*
- H335 May cause respiratory irritation.*
- H373 May cause damage to organs through prolonged or repeated exposure.*

· **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.*
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.*
- 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 SDS:** *Product safety department.*

· **Contact:** *gino.bauwens@chemicar.com*

· **Date of preparation / last revision** *09/27/2018 / 5*

· **Abbreviations and acronyms:**

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
- ICAO: International Civil Aviation Organisation*
- 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)*
- VOC: Volatile Organic Compounds (USA, EU)*
- LC50: Lethal concentration, 50 percent*
- LD50: Lethal dose, 50 percent*
- PBT: Persistent, Bioaccumulative and Toxic*
- vPvB: very Persistent and very Bioaccumulative*
- NIOSH: National Institute for Occupational Safety*
- OSHA: Occupational Safety & Health*
- TLV: Threshold Limit Value*
- PEL: Permissible Exposure Limit*
- REL: Recommended Exposure Limit*
- BEI: Biological Exposure Limit*
- Flam. Liq. 3: Flammable liquids – Category 3*
- Skin Irrit. 2: Skin corrosion/irritation – Category 2*
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2*