



## SAFETY DATA SHEET CRACKSEAL Part A

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

### 1. Identification

#### Product identifier

**Product name** CRACKSEAL Part A

#### Recommended use of the chemical and restrictions on use

**Application** Resin.

#### Details of the supplier of the safety data sheet

**Supplier** H&B  
30 Rasons Court  
Hauppauge, NY 11788  
631-234-0600  
weanchor@h-b.com  
www.h-b.com

#### Emergency telephone number

**Emergency telephone** 24-hour emergency call Chemtrec: (800) 255-3924

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Not Classified

#### Label elements

#### **Hazard symbols**



**Signal word** Warning

**Hazard statements** H226 Flammable liquid and vapor.

**Precautionary statements** P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P302+P352 If on skin: Wash with plenty of water.  
P501 Dispose of contents/ container in accordance with national regulations.

**Labeling notes** Not classified for health hazards.: On basis of test data.  
OECD Test No. 439

### 3. Composition/information on ingredients

#### Mixtures

## CRACKSEAL Part A

<b>VINYL TOLUENE</b> CAS number: 25013-15-4	<b>10-20%</b>
<b>TITANIUM DIOXIDE</b> CAS number: 13463-67-7	<b>&gt;0.5 &lt;1.0%</b>

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin Contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Show this Safety Data Sheet to the medical personnel.

#### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause skin irritation/eczema.
<b>Eye contact</b>	May irritate eyes.

#### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon.

#### Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** No smoking, sparks, flames or other sources of ignition near spillage.

#### Environmental precautions

**Environmental precautions** Avoid release to the environment.

## CRACKSEAL Part A

### Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

**Reference to other sections** For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Do not use in confined spaces without adequate ventilation and/or respirator.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from oxidizing materials, heat and flames.

**Storage class** Chemical storage.

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

#### Control parameters

#### Occupational exposure limits

##### VINYL TOLUENE

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 480 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 242 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 100 ppm 483 mg/m<sup>3</sup>

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

#### Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapors. Observe any occupational exposure limits for the product or ingredients.

##### Eye/face protection

The following protection should be worn: Chemical splash goggles.

##### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn.

##### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

##### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

##### Respiratory protection

No specific recommendations.

##### Environmental exposure controls

Keep container tightly sealed when not in use.

## CRACKSEAL Part A

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Color</b>	Beige.
<b>Odor</b>	Aromatic.
<b>Odor threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	>165°C @
<b>Flash point</b>	53°C
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not determined.
<b>Vapor pressure</b>	6 hPa @ 20°C
<b>Vapor density</b>	Not determined.
<b>Relative density</b>	1.65 - 1.75 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Insoluble in water
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	> 60 S ISO2431
<b>Explosive properties</b>	No information available.
<b>Oxidizing properties</b>	Does not meet the criteria for classification as oxidizing.

### 10. Stability and reactivity

<b>Reactivity</b>	The following materials may react with the product: Organic peroxides/hydroperoxides.
<b>Stability</b>	Stable at normal ambient temperatures.
<b>Possibility of hazardous reactions</b>	Does not decompose when used and stored as recommended.
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
<b>Materials to avoid</b>	Organic peroxides/hydroperoxides.

## CRACKSEAL Part A

**Hazardous decomposition products**      Oxides of carbon.

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 79.18

##### Skin corrosion/irritation

Skin corrosion/irritation      Not irritating. OECD Test No. 439

##### Serious eye damage/irritation

Serious eye damage/irritation      Not irritating. OECD Test No. 439

##### Inhalation

Gas or vapor in high concentrations may irritate the respiratory system.

##### Ingestion

May cause discomfort if swallowed.

##### Skin Contact

May cause skin irritation.

##### Eye contact

May irritate eyes.

#### Toxicological information on ingredients.

#### VINYL TOLUENE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,255.0

Species      Rat

ATE oral (mg/kg) 2,255.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 4,500.0

Species      Rat

ATE dermal (mg/kg) 4,500.0

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

##### Carcinogenicity

IARC carcinogenicity      IARC Group 3 Not classifiable as to its carcinogenicity to humans.

#### TITANIUM DIOXIDE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,000.0

Species      Rat

##### Carcinogenicity

**CRACKSEAL Part A****IARC carcinogenicity**

IARC Group 2B Possibly carcinogenic to humans.

**12. Ecological information**Ecological information on ingredients.VINYL TOLUENEAcute aquatic toxicity**Acute toxicity - fish** LC50, 96 hours: 23.4 mg/l, Pimephales promelas (Fat-head Minnow)**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 1.3 mg/l, Daphnia magna**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 2.6 mg/l, Selenastrum capricornutumTITANIUM DIOXIDEAcute aquatic toxicity**Acute toxicity - fish** LC0, >: 1000 mg/l, Leuciscus idus (Golden orfe)  
REACH dossier information**Acute toxicity - aquatic invertebrates** NOEC, > 48 hours: 3 mg/l, Daphnia magna  
REACH dossier information**Acute toxicity - microorganisms** EC<sub>50</sub>, > 3 hours: 1000 mg/l, Activated sludge  
REACH dossier informationBioaccumulative potential**Bio-Accumulative Potential** No data available on bioaccumulation.**Partition coefficient** Not determined.Ecological information on ingredients.VINYL TOLUENE**Partition coefficient** log Pow: 3.36Mobility in soil**Mobility** Not applicable.Other adverse effects**Other adverse effects** Not applicable.**13. Disposal considerations**Waste treatment methods**General information** Dispose of waste product or used containers in accordance with local regulations**Disposal methods** Dispose of waste via a licensed waste disposal contractor.**14. Transport information**UN Number**UN No. (TDG)** 1866**UN No. (IMDG)** 1866

**CRACKSEAL Part A**

UN No. (ICAO) 1866

UN No. (DOT) UN1866

**UN proper shipping name**

Proper shipping name (TDG) RESIN SOLUTION

Proper shipping name (IMDG) RESIN SOLUTION

Proper shipping name (ICAO) RESIN SOLUTION

Proper shipping name (DOT) RESIN SOLUTION

**Transport hazard class(es)**

DOT hazard class 3

DOT hazard label 3

TDG class 3

TDG label(s) 3

IMDG Class 3

ICAO class/division 3

**Transport labels****DOT transport labels****Packing group**

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

**Environmental hazards****Environmentally Hazardous Substance**

No.

**Special precautions for user**

EmS F-E, S-E

DOT reportable quantity RQ: Hydroquinone (1223720.6001 lbs)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

**15. Regulatory information****US Federal Regulations**

## CRACKSEAL Part A

### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed.

### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

### SARA 313 Emission Reporting

None of the ingredients are listed.

### CAA Accidental Release Prevention

None of the ingredients are listed.

### FDA - Essential Chemical

None of the ingredients are listed.

### FDA - Precursor Chemical

None of the ingredients are listed or exempt.

### SARA (311/312) Hazard Categories

None of the ingredients are listed.

### OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

### US State Regulations

**State Regulations Comments** Some of the ingredients are listed or exempt.

### California Proposition 65 Carcinogens and Reproductive Toxins

The following ingredients are listed:



*SILICON DIOXIDE, AMORPHOUS*

*TITANIUM DIOXIDE*

### California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed:

*SILICON DIOXIDE, AMORPHOUS*

### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

### California Directors List of Hazardous Substances

The following ingredients are listed:

*SILICON DIOXIDE, AMORPHOUS*

*VINYL TOLUENE*

### Massachusetts "Right To Know" List

The following ingredients are listed:

*SILICON DIOXIDE, AMORPHOUS*

*TITANIUM DIOXIDE*



## CRACKSEAL Part A

QUARTZ SAND

VINYL TOLUENE

### Rhode Island "Right To Know" List

The following ingredients are listed:

TITANIUM DIOXIDE

QUARTZ SAND

VINYL TOLUENE

### Minnesota "Right To Know" List

The following ingredients are listed:

SILICON DIOXIDE, AMORPHOUS

TITANIUM DIOXIDE

VINYL TOLUENE

### New Jersey "Right To Know" List

The following ingredients are listed:

TITANIUM DIOXIDE

QUARTZ SAND

VINYL TOLUENE

### Pennsylvania "Right To Know" List

The following ingredients are listed:

SILICON DIOXIDE, AMORPHOUS

TITANIUM DIOXIDE

QUARTZ SAND

VINYL TOLUENE

### Inventories

#### Canada - DSL/NDSL

All ingredients are listed.

#### US - TSCA

All ingredients are listed.

#### US - TSCA 12(b) Export Notification

None of the ingredients are listed.

### 16. Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	8/13/2018
<b>Version number</b>	2.001
<b>Supersedes date</b>	5/9/2018
<b>SDS No.</b>	21149
<b>Hazard statements in full</b>	H226 Flammable liquid and vapor.

## CRACKSEAL Part A

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.