



# CROWN TECHNOLOGY, LLC

Thermoplastic Pavement Markings

# Tuff-Seal®

Low VOC Fast Dry Sealer



## SAFETY DATA SHEET

800-969-5103

### SECTION 1 – IDENTIFICATION

**Product Name:** Tuff-Seal® Low VOC Fast-Dry Sealer

**Manufacturer:** Crown Technology, LLC  
35 Industrial Park Drive  
Woodbury, GA 30293

**Emergency Phone Number:** Chemtrec -- (800) 424-9300

**Issue Date:** 4/17/2018

**Product Use:** Primer/Sealer for Road Markings

### SECTION 2 – HAZARDS IDENTIFICATION

**GHS Classification**

Acute Toxicity, Oral, Inhalation Category 4  
Skin Irritation, Category 2  
Serious Eye Damage/Eye Irritation, Category 2A  
Carcinogenicity, Category 2  
Specific Target Organ Toxicity Single Exposure Category 3  
Skin Sensitization, Category 1  
Respiratory Sensitization, Category 1  
Acute aquatic toxicity, Category 3

#### GHS Labeling

Signal Word: Warning

Pictograms



Hazard Statements

Causes mild skin irritation  
Causes eye irritation  
May cause an allergic skin reaction  
May cause allergy or asthma symptoms or breathing difficulties if inhaled

## Precautionary Statements

Obtain special instructions for use.

Do not handle until all safety precautions have been read and understood.

Wash hands thoroughly after handling.

Avoid breathing mist or vapor.

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

Do not eat, drink, or smoke when using this product.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth.

If you feel unwell Call a POISON CENTER or doctor.

Contaminated clothing should not be allowed out of the workplace.

Wash contaminated clothing before reuse.

Store locked up, out of direct sunlight.

Disposal should be made in accordance with International, Federal, State, and Local regulations.

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## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<b><u>Ingredient:</u></b>	<b><u>CAS No.</u></b>	<b><u>% Wt</u></b>
Methane, Dichloro-	75-09-2	85 - 95
Tert Butyl Acetate	540-88-5	10 - 15
Polyamide Resin	NJTSRN-8769	5 - 10

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## SECTION 4 – FIRST AID MEASURES

<b>Skin contact:</b>	Remove contaminated clothing and wash before reuse.. Wash skin with soap and water.
<b>Eye Contact:</b>	Immediately flush eyes with running water for 15 minutes. Remove contact lenses if present and easily able to do. See a physician if irritation persists.
<b>Inhalation:</b>	Remove to fresh air and call a physician.
<b>Ingestion:</b>	Rinse mouth. If vomiting occurs, keep head low so stomach contents don't enter lungs. Get medical attention if you feel unwell.
<b>Symptoms:</b>	Dizziness, nausea, severe eye irritation, may include stinging, tearing, redness, swelling and blurred vision. Skin irritation. May cause redness and pain.

**Indication of treatment needed:**

Provide general supportive measures and treat symptomatically. Keep victim warm and under observation, symptoms may be delayed. If exposed/concerned seek medical attention.

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## **SECTION 5 – FIRE FIGHTING MEASURES**

**Extinguishing Media:**

Dry Chemical, CO<sub>2</sub>, Foam. Do not use water as it may spread fire.

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and full protective clothing. During fire, hazardous gases may be formed.

**Unusual Fire and Explosion Hazards:**

None

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**STEPS TO TAKE WHEN MATERIAL IS SPILLED:**

Keep people away and upwind of the spill. Wear appropriate protective equipment and clothing during cleanup. Do not breathe mist or vapor. Report the spill, if deemed necessary, according to local laws and regulations. Disposal of contaminated material should be done in accordance with Federal, State and Local regulations. Avoid discharge into drains, water courses or onto the ground.

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## **SECTION 7 – HANDLING AND STORAGE**

**Handling:**

During normal application, do not use in unventilated work areas. Do not eat, drink, or smoke when using product. When using/handling product, avoid breathing vapors. Wash thoroughly before eating, drinking, or smoking after using/handling material. Do not heat material. Contents may be under pressure. Open slowly and wear PPE prior to opening.

**Storage:**

Always store material in a cool dry place out of direct sunlight.

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## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Application Precautions –

**Ventilation:** Provide adequate local exhaust ventilation to reduce exposure to fumes to maintain concentrations below acceptable exposure limits (see below).

### Personal Protective Equipment (PPE) –

**Eyes:** Goggles, face shield

**Skin:** Heat resistant gloves and clothing to help prevent injury from molten material. This includes long sleeve shirt, long pants, socks, hard sole shoes, and hat.

**Respiratory:** NIOSHA/MSHA approved respirator as necessary. An organic vapor/dust-filtering respirator is recommended. The exact selection of a respirator should be based on the concentration of air contaminate present while using the below exposure limit guidelines (PEL).

<b><u>Ingredient:</u></b>	<b><u>OSHA STEL</u></b>	<b><u>OSHA TWA</u></b>	<b><u>ACGIH TLV</u></b>
Methane, Dichloro- Tert Butyl Acetate	125 ppm	25 ppm	50 ppm 100 ppm

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Appearance:</b>	Clear, Amber liquid
<b>Boiling Point:</b>	124°F (51.1°C)
<b>Melting Point:</b>	95°C (Ring & Ball Softening Point)
<b>Specific Gravity:</b>	1.2 g/ml
<b>Vapor Pressure (mm Hg):</b>	Not applicable
<b>VOC (%):</b>	94% actual, 95 g/L regulatory
<b>Evaporation Rate:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>Solubility in Water:</b>	Not applicable
<b>Percent Volatile:</b>	Not applicable
<b>Flash Point:</b>	Not available
<b>Flammability Limit – lower</b>	15.5% est.
<b>Flammability Limit – upper</b>	66.4% est.
<b>Autoignition Temperature</b>	>1000°F

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## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	None
<b>Conditions and Materials to Avoid:</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	Carbon Dioxide, Carbon Monoxide and other products of combustion.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure:

Inhalation:	May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin Contact:	Causes skin irritation.
Eye Contact:	Causes serious eye irritation.
Ingestion:	Harmful if swallowed.
Symptoms:	Dizziness, Nausea, Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation, redness, and pain.
Carcinogenicity:	Suspected of causing cancer.
IARC Monographs Overall Evaluation of Carcinogenicity:	
Methane, Dichloro- :	2A Probably carcinogenic to humans
OSHA Specifically regulated substances:	
Methane, Dichloro- :	Cancer
US NTP Report on Carcinogens:	
Methane, Dichloro- :	Reasonably anticipated to be a human carcinogen.
Reproductive Toxicity:	Not expected to cause reproductive or developmental effects
Specific target organ Toxicity:	May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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## SECTION 12 – ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Other Adverse Effects:</b>	No adverse effects (ozone depletion, global warming potential, endocrine disruption, etc.) expected.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Disposal should be made in accordance with Federal, State, and Local regulations. See section 15 – Regulatory Information since emptied containers may contain product residue, follow label warnings even after container has been emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
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## SECTION 14 – TRANSPORT INFORMATION

<b>UN number:</b>	UN1593
<b>UN Proper Shipping Name:</b>	Dichloromethane
<b>Transport Hazard Class:</b>	6.1
<b>Subsidiary Risk:</b>	--
<b>Packing Group:</b>	III
<b>Special Precautions for User:</b>	Read safety instructions, SDS, and emergency procedures before handling.
<b>ERG Number:</b>	160



**DOT Placard:**

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## SECTION 15 – REGULATORY INFORMATION

<b>US Federal Regulations:</b>	This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D):</b>	Not regulated
<b>CERCLA Hazardous Substance List:</b>	Methane Dichloro (CAS 75-09-2)
<b>SARA 304 Emergency Release Notification:</b>	Not regulated.
<b>OSHA Specifically Regulated Substances:</b>	Methane, Dichloro (CAS 75-09-2) Cancer. Heart, Central nervous system, Liver, Skin and Eye Irritation
<b>SARA of 1986:</b>	
Immediate Hazard:	Yes
Delayed Hazard:	Yes
Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No
<b>SARA 302 Extremely Hazardous Substance:</b>	Not listed
<b>SARA 311/312 Hazardous Chemical:</b>	Not listed
<b>SARA 313 (TRI reporting):</b>	Methane, Dichloro (CAS 75-09-2) 95% by weight
<b>Clean Air Act Section 112 Hazardous Air Pollutants (HAP’s) list:</b>	Methane, Dichloro (CAS 75-09-2)
<b>Section 112r Accidental Release Prevention:</b>	Not regulated
<b>Safe Drinking Water Act (SDWA):</b>	Not regulated
<b>US state regulations:</b>	
California Controlled Substances:	Not listed
California Candidate Chemicals List. Safer Consumer Product Regulations:	Methane, Dichloro- (CAS # 75-09-2)
Massachusetts	

RTK- Substance List: Methane, Dichloro- (CAS # 75-09-2)

New Jersey  
Worker and Community  
Right to Know Act: Methane, Dichloro- (CAS # 75-09-2)

Pennsylvania  
Worker and Community  
Right to Know Act: Methane, Dichloro- (CAS # 75-09-2)

Rhode Island RTK: Methane, Dichloro- (CAS # 75-09-2)

California Proposition 65: This product contains a chemical known to the State of California to cause cancer. Listed Date: April 1, 1988  
Methane, Dichloro- (CAS # 75-09-2)

#### International Inventories:

<u>Country or Region</u>	<u>Inventory Name</u>	<u>On Inventory Yes/No</u>
Australia	Australian Inventory of Chemical Substances	No
Canada	Domestic Substances List	No
China	Inventory of Existing Commercial Chemical Substances	No
Europe	EINECS	No
	ELINCS	No
Japan	ENCS	No
Korea	Existing Chemicals List	No
New Zealand	New Zealand Inventory	No
Philippines	PICCS	No
US and Puerto Rico	TSCA Inventory	Yes

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### SECTION 16 – OTHER INFORMATION

**NFPA** Health: 2 Flammability: 0 Reactivity: 0 Special Hazards: None

**HMIS** Health: 2 Flammability: 1 Physical Hazard: 0 Personal Protective Equipment: X

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**The information provided is in compliance with the Federal Hazard Communication standard 29CFR1910.1200, to give warning of actual and assumed hazards, and to inform of generally applicable precautions and control measures which are known to Crown Technology, LLC. Hazard information is based on available scientific evidence, but is not always obtained from sources under the direction or control of Crown Technology, LLC. Crown Technology, LLC makes no warranty or representation that the information is accurate, reliable, complete or representative and Buyer may rely thereon only at Buyer's own risk. Crown Technology, LLC warrants only that it has made no effort to censor, other than trade secret information or to conceal hazards of its products. The data shown on these pages in no way modifies, amends or enlarges any specification or warranty.**

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