

# SAFETY DATA SHEET



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Version 2019

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Spray-Cure & Seal 309

**Other Means of Identification:** SDS #: F1305-15

**Recommended Use:** Concrete Curing and Sealing Compound

**Restrictions on Use:** No Data

**Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

**Telephone Numbers**

**Company Phone Number**

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

**Emergency Telephone :** ChemTrec 800-424-9300

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards**

Flammable Liquid, may cause respiratory irritation, may cause drowsiness or dizziness, may be fatal if swallowed and enters airways, toxic to aquatic life with long lasting effects.

**Target Organs:** Eyes, Skin, Respiratory System, Central Nervous System

**GHS Classification**

Flammable Liquids Category 3

Hazardous to the Aquatic Environment – Long-Term (Chronic) Hazard Category 2

Specific target organ toxicity – single exposure Category 3

Aspiration Hazard Category 1

Acute Toxicity, Inhalation Category 4

**Label Elements, including precautionary statements**

**Pictograms:**



**Signal Word:** Danger

**Hazard Statements:**

H226 Flammable Liquid and Vapour

H332 Harmful if inhaled

H335 May cause respiratory irritation

- H336 May cause drowsiness or dizziness
- H304 May be fatal if swallowed and enters airways
- H411 Toxic to aquatic life with long lasting effects

**Precautionary Statement(s)**

**Prevention:**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P233 Keep container tightly closed.
- P240 Ground and bond the container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire use, dry chemical, alcohol resistant foam, halon or carbon dioxide to extinguish.
- P391 Collect spillage

- Storage:** P403+P235+P233 Store in a well-ventilated place. Keep cool. Keep container tightly closed.  
P405 Store Locked Up

**Disposal:** P501 Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified:** Repeated exposure may cause skin dryness and cracking.  
Product may cause eye irritation.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Component**

Solvent Naphtha (Petroleum), Light Aromatic	CAS# 64742-95-6	58-59%
Petroleum Hydrocarbon Solvent	CAS# 8052-41-3	25-26%
Acrylic Co-Polymer - Non-Hazardous	CAS# Proprietary	15%
Additive – Proprietary		1.0%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First Aid Measures**

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth if conscious.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Alcohol-resistant foam, dry chemical, halon or carbon dioxide

**Specific Hazards Arising from the Chemical:**

In a fire or if heated a pressure increase will occur and the container may burst.

Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

**Hazardous Combustion Products:** Carbon dioxides & Carbon monoxide

**Protective Equipment and Precautions for Firefighters:**

Wear self-contained breathing apparatus and full protective gear for firefighting.

**Further Information:** Use water spray to cool unopened containers. See Section 7 for safe handling and storage

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

**Methods and Material for Containment and Cleaning Up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond the container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Conditions for Safe Storage, Including any Incompatibilities**

Keep container tightly closed in a dry, cool and well ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Component Exposure Limits

**Solvent Naphtha (Petroleum), Light Aromatic**, CAS# 64742-95-6: RCP-TWA 19 ppm/ 100 mg/m<sup>3</sup> Total Hydrocarbon, Exxon Mobil.

**Components of Solvent Naphtha (Petroleum), Light Aromatic**, CAS# 64742-95-6:

**1,2,4-Trimethylbenzene**, CAS# 95-63-6, TWA 25 ppm ACGIH

**Xylene, Mixed Isomers**, CAS# 1330-20-7, TWA 100 ppm ACGIH, STEL 150 ppm ACGIH, PEL 100 ppm OSHA Z1

**Cumene**, CAS# 98-82-8, TWA 50 ppm ACGIH, PEL 50 ppm OSHA Z1

**Petroleum Hydrocarbon Distillates, CAS# 8052-41-3**: ACGIH TLV TWA: 100 ppm 8 hours; OSHA PEL: TWA 500 ppm; NIOSH REL: TWA 350 mg/m<sup>3</sup>, NIOSH Ceiling: 1800 mg/m<sup>3</sup>

**Components of Petroleum Hydrocarbon Distillates, CAS# 8052-41-3**:

**Ethyl Benzene**, CAS# 100-41-4: ACGIH TLV: TWA 20 ppm

**N-Nonane**, CAS# 111-84-2: ACGIH TLV: TWA 200 ppm

#### Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

#### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection**: Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection**: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection**: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations**: Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

**Physical State**: Liquid

**Appearance**: Clear

**Color**: Colourless

**Odor**: Petroleum Solvent Odor

**Odor threshold**: No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	Not Relevant	
Melting/Freezing Point	Not Relevant	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	42 Degrees C (108 Degree F)	PM (D93) Closed Cup
Flammability Limits	Lower Limit: 0.9% Upper Limit: 6.2%	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	0.89 at 25 Degrees C	7.39 +/- 0.01 Lbs./gal.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Heat, Flames and Sparks

**Incompatible Materials:** Keep away from strong oxidizing agents, strong alkalis and strong acids.

**Hazardous Decomposition Products**

Hazardous decomposition products formed under fire conditions, Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

**Symptoms of Exposure:**

Product may cause eye and skin irritation.

Product may cause headache, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Repeated Exposure** may cause skin dryness and cracking.

**Aspiration Hazard:** May cause chemical pneumonitis (aspiration of liquid) if swallowed and enters airways.

**Carcinogenicity:**

Product is not expected to be carcinogenic.

Contains the component Cumene, CAS# 98-82-8 at  $\leq 0.4\%$ . IARC classifies Cumene as a 2B: Possibly carcinogenic to humans. Tumors produced in animals are not considered relevant to humans.

**Other Chronic Effects:**

Chronic over-exposure to this material may cause systemic toxicity, including adverse reactions to the following: kidney, liver, spleen, adrenals, lungs, skin, blood, testes, cardiovascular and nervous systems.

**Numerical Measures of Toxicity**

**Solvent Naphtha (Petroleum), Light Aromatic:** LD50 Oral Rat: >3,000 mg/kg; LD50 Dermal Rabbit >3,160 mg/kg, Inhalation, Low toxicity: LC50 greater than near-saturated vapor concentration.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Material is expected to be toxic to aquatic organisms. It may cause long-term adverse effects in the aquatic environment.

**Acute Toxicity: Fish**

Components:

Solvent Naphtha (Petroleum), Light Aromatic: LC50 Fathead Minnow, 96 hr, 8.2 mg/l

1,2,4-Trimethylbenzene: LC50 Fathead Minnow, 96 hr. 7.72 mg/l

Xylenes: No Data

Cumene: LC50 Fish, 96 hr. 4.918 mg/l

**Acute Toxicity: Invertebrates**

Components:

Solvent Naphtha (Petroleum), Light Aromatic: EC50 Water Flea, 48 hr, 4.5 mg/l

1,2,4-Trimethylbenzene: EC50 Water Flea, 48 hr, 3.6 mg/l

Xylenes: No Data

Cumene: EC50 Water Flea, 48 hr, 2.14 mg/l

### **Chronic Toxicity: Fish**

Components:

Solvent Naphtha (Petroleum), Light Aromatic: No Data

1,2,4-Trimethylbenzene: No Data

Xylenes: No Data

Cumene: NOEC Zebra Fish, 28 days, 0.38 mg/l

### **Chronic Toxicity: Invertebrates**

Components:

Solvent Naphtha (Petroleum), Light Aromatic: EC50 Water Flea, 21 days, 10 mg/l

1,2,4-Trimethylbenzene: No Data

Xylenes: No Data

Cumene: NOEC Water Flea, 21 days, 0.35 mg/l

### **Chronic Toxicity to Aquatic Plants**

Components:

Solvent Naphtha (Petroleum), Light Aromatic: EC50 Selenastrum capricornutum, 72 hr., 3.1 mg/l

1,2,4-Trimethylbenzene: EC50 Alga, 96 hr., 2.356 mg/l

Xylenes: No Data

Cumene: NOEC Scenedesmus subspicatur, 72 hr., 1.49 mg/l

**Persistence and Degradability:** Solvent portion is expected to be readily biodegradable.

**Bioaccumulation:** No Data Available

**Mobility:** This material has a low solubility in water. The solvent portion has high volatility (tendency to move from water to air) and will partition rapidly to the air. Therefore chronic aquatic toxicity is not expected, however a significant spill may cause long-term adverse effects in the aquatic environment.

**Other Adverse Effects:** No Data Available

## **13. DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

**Disposal of Wastes:** Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated Packaging:** Dispose of as unused product.

## **14. TRANSPORT INFORMATION**

**D.O.T.**

UN1263, PAINT, 3, III

**Packaging Exception for 1 gal cans, 5 gallon pails & 55 gallon drums, *Ground Shipments Only.***

**49 CFR 173.120(b)(2)** A flammable liquid with a flash point at or above 38°C (100°F) that does not meet the definition of any other hazard class may be re-classed as a combustible liquid.

This product has a flash point at or above 38°C (100°F). It is therefore excepted from labeling requirements ..., specification packaging ..., and shipping papers... ***if shipped in non-bulk packaging. Non-bulk packaging*** means a packaging which has a maximum capacity of 450 Liters (119 gallons) or less as a receptacle for a liquid. Therefore, when shipped by ground in non-bulk packaging ( $\leq$  119 gal.), this item is not DOT regulated.

***This provision does not apply to transportation by vessel or air.***

**I.A.T.A.**

UN1263, PAINT, 3, III

**I.M.D.G.**

UN1263, PAINT, 3, III

Marine Pollutant: Yes

**15. REGULATORY INFORMATION****International Inventories****TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.**US Federal Regulations****SARA 302:** None**SARA 311/312 Hazard Categories:** Acute: Yes, Fire: Yes, Chronic: Yes**SARA 313 Hazard Categories:**

<u>CAS Number</u>	<u>Component Name</u>	<u>Wt. %</u>
98-82-8	Cumene	≤0.6%
1330-20-7	Xylenes	≤1.3%
95-63-6	1,2,4-Trimethylbenzene	≤15%

**CWA (Clean Water Act):** This product contains petroleum hydrocarbons and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.**Supplemental State Compliance Information****California:**Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. **Cumene – Carcinogen; Ethyl Benzene - Carcinogen**

This product may contain trace amounts of other components known to the State of California to cause cancer, birth defects or other reproductive harm.

**States Right To Know:**

1,2,4-Trimethylbenzene, CAS# 95-63-6: New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island, Massachusetts.

Cumene, CAS# 98-82-8: New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island.

Xylenes, CAS# 1330-20-7: New Jersey, Illinois, Michigan, Minnesota, Pennsylvania, Rhode Island.

Ethyl Benzene, CAS#: 100-41-4: New Jersey, Illinois, Pennsylvania.

N-Decane, CAS# 124-18-5: Pennsylvania

N-Nonane, CAS# 111-84-2: Pennsylvania

**U.S. EPA Label Information:** No Data**16. OTHER INFORMATION****HMIS Classification:**

<b>Health hazard:</b>	<b>1*</b>
<b>Flammability:</b>	<b>2</b>
<b>Physical Hazards:</b>	<b>0</b>

**NFPA Rating:**

<b>Health hazard:</b>	<b>1</b>
<b>Fire:</b>	<b>2</b>
<b>Reactivity Hazard:</b>	<b>0</b>

**Issuance Date: June 5, 2017**  
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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**