



# SAFETY DATA SHEET

Issue Date 14-May-2015

Revision Date 16-Sep-2020

Version 2

GCS-35025

Gem Cure & Seal 1315-350 VOC

## 1. IDENTIFICATION

### Product identifier

**Product Name** Gem Cure & Seal 1315-350 VOC

### Other means of identification

**Product Code** GCS-35025

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

**Recommended Use** Restricted to professional users.

**Uses advised against** Consumer use

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

#### **Supplier Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL  
62702

#### **Manufacturer Address**

Solomon Colors, Inc.  
4050 Color Plant Road  
Springfield, IL  
62702

**Company Phone Number** 800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

**24 Hour Emergency Phone Number** 800-373-7542

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This product is classified as hazardous according to the criteria contained in the Hazard Communication Standard 29 CFR 1910.1200 (known as HCS 2012) and the Hazardous Products Regulations SOR/2015-17 (known as WHMIS 2015).

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### Label elements

#### **Emergency Overview**

**Danger**

#### **Hazard statements**

Harmful if inhaled  
May cause genetic defects  
May cause cancer  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor



**Appearance** Clear liquid

**Physical state** Liquid

**Odor** Aromatic

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 Do NOT induce vomiting  
 In case of fire: Use CO2, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Tet-Butyl Acetate	540-88-5	50-65	*
Petroleum naphtha, light aromatic	64742-95-6	15-20	*
Trimethylbenzene, Isomers	25551-13-7	< 10	*
1,2,4 Trimethylbenzene	95-63-6	< 5	*
Xylenes	1330-20-7	< 0.5	*
Cumene	98-82-8	< 0.5	*
Methyl Isopropyl Benzene	25155-15-1	< 0.3	*
Benzene	71-43-2	< 0.02	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of first aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration.
<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

<b>Symptoms</b>	Harmful if inhaled as mist. May cause genetic defects. May cause cancer. May be fatal if swallowed and enters airways.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Dry chemical, Carbon Dioxide, Foam, Sand. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

No information available.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by friction, heat, sparks or flames.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Keep people away from and upwind of spill/leak. Wear protective gloves/protective clothing and eye/face protection. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Take precautionary measures against static discharges. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded.
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<b>For emergency responders</b>	Use personal protection recommended in Section 8.
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### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. Ground and bond containers when transferring material. Dike to collect large liquid spills.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Never pierce, drill, grind, cut, saw or weld any empty container.

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

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container tightly closed in a dry and well-ventilated place. Do not store near combustible materials. Use spark-proof tools and explosion-proof equipment.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Tet-Butyl Acetate 540-88-5	STEL: 150 ppm TWA: 50 ppm	TWA: 200 ppm TWA: 950 mg/m <sup>3</sup> (vacated) TWA: 200 ppm (vacated) TWA: 950 mg/m <sup>3</sup>	IDLH: 1500 ppm TWA: 200 ppm TWA: 950 mg/m <sup>3</sup>
Trimethylbenzene, Isomers 25551-13-7	TWA: 25 ppm	(vacated) TWA: 25 ppm (vacated) TWA: 125 mg/m <sup>3</sup>	-
1,2,4 Trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Xylenes 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-
Cumene 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m <sup>3</sup>
Benzene 71-43-2	STEL: 2.5 ppm TWA: 0.5 ppm S*	TWA: 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028 TWA: 1 ppm (vacated) TWA: 10 ppm unless specified in 1910.1028 (vacated) STEL: 50 ppm 10 min unless specified in 1910.1028 (vacated) Ceiling: 25 ppm unless specified in 1910.1028 Ceiling: 25 ppm STEL: 5 ppm see 29 CFR 1910.1028	IDLH: 500 ppm TWA: 0.1 ppm STEL: 1 ppm

NIOSH IDLH *Immediately Dangerous to Life or Health*

#### Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### Appropriate engineering controls

##### Engineering Controls

Showers  
Eyewash stations  
Ventilation systems.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

##### Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

##### Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

##### General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Aromatic
<b>Appearance</b>	Clear liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	86.6 °C / 187.8 °F	ASTM D86
<b>Flash point</b>	27.2 °C / 81 °F	ASTM D56
<b>Evaporation rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Specific Gravity</b>	No information available	
<b>Water solubility</b>	Insoluble	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

#### Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	< 350 g/L
<b>Density</b>	No information available
<b>Bulk density</b>	~7.62 lbs/gal

## 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

Heat, flames and sparks.

#### Incompatible materials

Strong oxidizing agents.

#### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	The product is classified based on the mixture components.
<b>Inhalation</b>	Avoid breathing vapors or mists. Harmful by inhalation.
<b>Eye contact</b>	Avoid contact with eyes. Contact with eyes may cause irritation.
<b>Skin Contact</b>	Avoid contact with skin and clothing. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Do not ingest. If swallowed then seek immediate medical assistance.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tet-Butyl Acetate 540-88-5	= 4100 mg/kg ( Rat )	> 2 g/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	> 2230 mg/m <sup>3</sup> ( Rat ) 4 h > 9482 mg/m <sup>3</sup> ( Rat ) 4 h
Petroleum naphtha, light aromatic 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
Trimethylbenzene, Isomers 25551-13-7	= 8970 mg/kg ( Rat )	-	-
1,2,4 Trimethylbenzene 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Xylenes 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Cumene 98-82-8	= 1400 mg/kg ( Rat )	= 12300 µL/kg ( Rabbit )	= 39000 mg/m <sup>3</sup> ( Rat ) 4 h > 3577 ppm ( Rat ) 6 h
Benzene 71-43-2	= 1800 mg/kg ( Rat ) = 810 mg/kg ( Rat )	> 8200 mg/kg ( Rabbit )	= 44.66 mg/L ( Rat ) 4 h

### Information on toxicological effects

**Symptoms** Harmful if inhaled as mist. May cause genetic defects. May cause cancer. May be fatal if swallowed and enters airways.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Not classified. (Based on mixture components).  
**Serious eye damage/eye irritation** Not classified. (Based on mixture components).  
**Sensitization** Not Classified. This product does not contain known sensitizers at levels > or equal to 0.1%.  
**Germ cell mutagenicity** Contains a known or suspected mutagen.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylenes 1330-20-7	-	Group 3	-	-
Cumene 98-82-8	-	Group 2B	Reasonably Anticipated	X
Benzene 71-43-2	A1	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A1 - *Known Human Carcinogen*

IARC (International Agency for Research on Cancer)

Group 1 - *Carcinogenic to Humans*

Group 2B - *Possibly Carcinogenic to Humans*

Group 3 - *Not Classifiable as to Carcinogenicity in Humans*

NTP (National Toxicology Program)

Known - *Known Carcinogen*

Reasonably Anticipated - *Reasonably Anticipated to be a Human Carcinogen*

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - *Present*

**Reproductive toxicity** Not classified. (Based on mixture components).  
**STOT - single exposure** Not classified. (Based on mixture components).  
**STOT - repeated exposure** Not classified. (Based on mixture components).  
**Aspiration hazard** May be fatal if swallowed and enters airways.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	3763 mg/kg
ATEmix (dermal)	2684 mg/kg
ATEmix (inhalation-gas)	>20,000 ppm
ATEmix (inhalation-dust/mist)	3.6 mg/l
ATEmix (inhalation-vapor)	> 20 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

This product has not been fully evaluated on the product level.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Tet-Butyl Acetate 540-88-5	1.38
1,2,4 Trimethylbenzene 95-63-6	3.63
Xylenes 1330-20-7	3.15
Cumene 98-82-8	3.7
Benzene 71-43-2	2.1

Other adverse effects No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001

Chemical Name	California Hazardous Waste Status
Xylenes 1330-20-7	Toxic Ignitable
Cumene 98-82-8	Toxic Ignitable
Benzene 71-43-2	Toxic Ignitable



## 14. TRANSPORT INFORMATION

### DOT

<b>UN/ID no.</b>	UN 1263
<b>Proper shipping name</b>	Paint Related Material
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Emergency Response Guide Number</b>	128

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Complies
<b>KECL</b>	Does not comply
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
1,2,4 Trimethylbenzene - 95-63-6	1.0
Cumene - 98-82-8	1.0
Xylenes - 1330-20-7	1.0
Benzene - 71-43-2	0.1

#### **SARA 311/312 Hazard Categories**

See section 2 for more information

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Tet-Butyl Acetate 540-88-5	-	-	-	X
Xylenes 1330-20-7	100 lb	-	-	X
Benzene 71-43-2	10 lb	X	X	X

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Tet-Butyl Acetate 540-88-5	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Xylenes 1330-20-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
Cumene 98-82-8	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Benzene 71-43-2	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Cumene - 98-82-8	Carcinogen
Benzene - 71-43-2	Carcinogen Developmental Male Reproductive

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Tet-Butyl Acetate 540-88-5	X	X	X
Trimethylbenzene, Isomers 25551-13-7	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Cumene 98-82-8	X	X	X
Xylenes 1330-20-7	X	X	X
Methyl Isopropyl Benzene 25155-15-1	X	-	-
Benzene 71-43-2	X	X	X

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 3	Flammability 2	Reactivity 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 3	Flammability 2	Physical hazards 0	Personal protection X

**Prepared By** Solomon Colors - Lab Technical Services  
**Issue Date** 14-May-2015  
**Revision Date** 16-Sep-2020  
**Revision Note**  
 Periodic Review

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 guidance 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**