Safety Data Sheet

HENRY SCHEIN®

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 09/08/2014

	Revision date: 09/08/2014	Version: 1.0
SECTION 1: Identifi	cation	
1.1. Product identif		
Product form	: Mixture	
Product name	: ZOE Temporary Cement Base	4
	ified uses of the substance or mixture and uses advised again	
Use of the substance/mix		onal dental use only.
	supplier of the safety data sheet	
Henry Schein, Inc.		
135 Duryea Road		
Melville, NY 11747 Telephone: 1-800-424-93	200	
www.henryschein.com	300	
	ephone number	
	800-424-9300 CHEMTREC; 1-703-527-3887 CHEMTREC - Outside US	
		A
SECTION 2: Hazards		
	of the substance or mixture	
Classification (GHS-US)		
Not classified		
2.2. Label elements	3	
GHS-US labeling		
No labeling applicable		
2.3. Other hazards		
Aquatic Chronic 1 H410		
Hazard pictograms (GHS-	-US) :	
	GHS09	
Signal word (GHS-US)	: Warning	
Hazard statements (GHS-		;
Precautionary statement		
(GHS-US)	P391 - Collect spillage.	
	P501 - Dispose of contents/container according to local	, regional, national, and
	international regulations.	
	e toxicity (GHS-US)	
No data available		
SECTION 3: Compos	sition/information on ingredients	
3.1. Substance		
Not applicable		
3.2. Mixture		
Not classified as hazardo	ous according to the US 2012 Hazard Communication Standard (29 C	FR 1910.1200).
SECTION 4: First aid	d measures	
4.1. Description of		

4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

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First-aid measures after skin contact	 Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Seek medical attention if ill effect or irritation develops. 		
First-aid measures after eye contact	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. 		
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.		
4.2. Most important symptoms and effects, both acute and delayed			
Symptoms/injuries	: None expected under normal conditions of use.		
Symptoms/injuries after inhalation	: None expected under normal conditions of use.		
Symptoms/injuries after skin contact	: None expected under normal conditions of use.		
Symptoms/injuries after eye contact	: None expected under normal conditions of use.		

Symptoms/injuries after ingestion : May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention.

SECTION 5: Fire-Fighting measures

SECTION 5: Fire-Fighting meas	Sures
5.1. Extinguishing media	
Suitable extinguishing media	: Dry chemical powder, alcohol foam, carbon dioxide, water spray, fog.
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.
5.2. Special hazards arising from	n the substance or mixture
Fire hazard	: Not considered flammable but may burn at high temperatures.
Explosion hazard	: Product is not explosive.
Reactivity	: No reactivity hazard.
5.3. Advice for firefighters	
Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	 Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, prote	ctive equipment and emergency procedures
General measures	: Avoid all contact with skin, eyes, or clothing.
6.1.1. For non-emergency personnel	
Protective equipment	: Use appropriate personal protection equipment (PPE).
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Provent entry to sewers and public wat	tors

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb and/or contain spill with inert material, then place in suitable		
	container.		
Methods for cleaning up	· Clear up spills immediately and dispose of waste safely		

Methods for cleaning up : Clear up spills immediately and dispose of waste safely.

6.4. Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

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SECTION 7: Handling and storage			
accordance with good industrial hygiene and safety procedures. Is and other exposed areas with mild soap and water before hking, or smoking and again when leaving work.			
ny incompatibilities			
dry, cool and well-ventilated place. Keep container closed when			
ds. Strong bases. Strong oxidizers.			
al dental use only.			
rotection			
v eye wash fountains and safety showers should be available in liate vicinity of any potential exposure.			
: Safety glasses. Gloves. Protective clothing.			
nically resistant protective gloves.			
oggles or safety glasses.			

whenever exposure may exceed established Occupational Exposure Limits.

Other information

: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties				
9.1. Information on basic physical an	9.1. Information on basic physical and chemical properties			
Physical state	: Solid (paste)			
Appearance	: No data available			
Color	: No data available			
Odor	: No data available			
Odor threshold	: No data available			
рН	: No data available			
Relative evaporation rate (butyl acetate=1)	: No data available			
Melting point	: No data available			
Freezing point	: No data available			
Boiling point	: No data available			
Flash point	: No data available			
Auto-ignition Temperature	: No data available			
Decomposition temperature	: No data available			
Flammability (solid, gas)	: No data available			
Vapor pressure	: No data available			
Relative vapor density at 20 °C	: No data available			
Relative density	: No data available			
Solubility	: No data available			
Partition coefficient: n-octanol/water	: No data available			

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N //	
Viscosity	No data available
9.2. Other information	
VOC content	: <1%
SECTION 10: Stability and read	tivity
10.1. Reactivity	
No reactivity hazard.	
10.2. Chemical stability	
Product is stable.	
10.3. Possibility of hazardous read	ctions
Hazardous polymerization will not occu	ır.
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low t	emperatures.
10.5. Incompatible materials	
Strong acids. Strong bases. Strong oxid	zers.
10.6. Hazardous decomposition p	
Hydrocarbons. Carbon oxides (CO, CO ₂)	
SECTION 11: Toxicological info	prmation
11.1. Information on toxicologica	l effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exp	
Specific target organ toxicity (repeated	
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: None expected under normal conditions of use.
Symptoms/injuries after skin contact	: None expected under normal conditions of use.
Symptoms/injuries after eye contact	: None expected under normal conditions of use.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
SECTION 12: Ecological inform	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradabili	ty
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consider	rations
13.1. Waste treatment methods	
Waste disposal recommendations	: Dispose of waste material in accordance with all local, regional, national,
	provincial, territorial and international regulations.

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SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

Not applicable

14.2. UN proper shipping name

No additional information available

14.3. Additional information

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. US State regulations

No additional information available

SECTION 16: Other information, including date of preparation or last revision

Revis	ion date	
	-	

: 09/08/2014

Other information

 Correction 2014
 This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of H-phrases: see section 16:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom 2012) - US

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- HENRY SCHEIN® -

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 09/08/2014

Version: 1.0

Revisi	ion date: 09/08/2014 Version
SECTION 1: Identification	
1.1. Product identifier	
Product form	: Mixture
Product name	: ZOE Temporary Cement Catalyst
	of the substance or mixture and uses advised against
Use of the substance/mixture	: For temporary restorative treatment. For professional dental use only.
1.3. Details of the supplier of	
Henry Schein, Inc.	
135 Duryea Road	
Melville, NY 11747	
Telephone: 1-800-424-9300	
www.henryschein.com	
1.4. Emergency telephone nu	umber
Emergency number : 800-424-93	300 CHEMTREC; 1-703-527-3887 CHEMTREC - Outside USA
SECTION 2: Hazards identif	ication
2.1. Classification of the subs	
Classification (GHS-US)	
Eye Irrit. 2A H319	
Skin Sens. 1 H317	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
	•
	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H317 - May cause an allergic skin reaction
	H319 - Causes serious eye irritation
Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapors, fume.
	P264 - Wash hands, forearms, and exposed areas thoroughly after handl
	P272 - Contaminated work clothing should not be allowed out of the
	workplace.
	P280 - Wear eye protection, protective gloves, protective clothing.
	P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338 - If in eyes: Rinse cautiously with water for several
	minutes. Remove contact lenses, if present and easy to do. Continue rins
	P321 - Specific treatment (see Section 4). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
	P337+P313 - If eye irritation persists: Get medical advice/attention.
	P362+P364 - Take off contaminated clothing and wash it before reuse.
	P501 - Dispose of contents/container according to local, regional, nation
	and international regulations.
2.3. Other hazards	
No data available	

No data available

2.4. Unknown acute toxicity (GHS-US)

No data available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Eugenol	(CAS No) 97-53-0	20 - 30	Acute Tox. 4 (Oral), H302
			Eye Irrit. 2A, H319
			Skin Sens. 1, H317

Full text of H-phrases: see section 16

Full text of H-phrases: see section 16			
SECTION 4: First aid measures	5		
4.1. Description of first aid mea	isures		
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).		
First-aid measures after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.		
First-aid measures after skin contact	 Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Seek medical attention if ill effect or irritation develops. 		
First-aid measures after eye contact	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. 		
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.		
4.2. Most important symptoms and effects, both acute and delayed			
Symptoms/injuries	: Exposure may produce an allergic reaction. Causes severe irritation to eyes.		
Symptoms/injuries after inhalation	: None expected under normal conditions of use.		
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.		
Symptoms/injuries after eye contact	: Causes eye irritation.		
Symptoms/injuries after ingestion : May be harmful if swallowed.			
4.3. Indication of any immediate medical attention and special treatment needed			
If exposed or concerned, get medical a	advice and attention.		
SECTION 5: Fire-Fighting mea	sures		
5.1. Extinguishing media			
Suitable extinguishing media	: Dry chemical powder, alcohol foam, carbon dioxide, water spray, fog.		
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.		
5.2. Special hazards arising from the substance or mixture			
Fire hazard	: Not considered flammable but may burn at high temperatures.		
Explosion hazard	: Product is not explosive.		
Reactivity	: No reactivity hazard.		
5.3. Advice for firefighters			
Precautionary measures fire	: Exercise caution when fighting any chemical fire.		
Firefighting instructions	: Use water spray or fog for cooling exposed containers.		
Protection during firefighting	: Do not enter fire area without proper protective equipment, including		
	respiratory protection.		
SECTION 6: Accidental release	e measures		
	ective equipment and emergency procedures		
General measures	: Avoid all contact with skin, eyes, or clothing.		
6.1.1. For non-emergency personnel			
Protective equipment	: Use appropriate personal protection equipment (PPE).		

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Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautio	ns
Prevent entry to sewers and public	waters.
6.3. Methods and material fo	r containment and cleaning up
For containment	: Absorb and contain spill with inert material, then place in suitable containe
Methods for cleaning up	: Clear up spills immediately and dispose of waste safely.
6.4. Reference to other section	ns
See heading 8, Exposure Controls ar	nd Personal Protection.
SECTION 7: Handling and st	
	•
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures.
	Wash hands and other exposed areas with mild soap and water before
	eating, drinking, or smoking and again when leaving work.
	ge, including any incompatibilities
Storage conditions	: Store in a dry, cool and well-ventilated place. Keep container closed when
	not in use.
Incompatible products	: Strong acids. Strong bases. Strong oxidizers.
7.3. Specific end use(s)	
For temporary restorative treatmen	
ECTION 8: Exposure contro	s/personal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Emergency eye wash fountains and safety showers should be available in
	the immediate vicinity of any potential exposure.
Personal protective equipment	: Safety glasses. Gloves. Protective clothing.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Use a NIOSH-approved respirator or self-contained breathing apparatus
	whenever exposure may exceed established Occupational Exposure Limits
Other information	: When using, do not eat, drink or smoke.
SECTION 9: Physical and che	emical properties
	sical and chemical properties
Physical state	: Liquid (paste)
	: No data available
Appearance	
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl ace	tate=1) : No data available
Relative evaporation rate (buty) ace	

Melting point

Freezing point

: No data available : No data available

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Boiling point	: No data available
Flash point	: No data available
Auto-ignition Temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Viscosity	No data available

9.2. Other information

VOC content

: <1%

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazard.

10.2. Chemical stability

Product is stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

Hydrocarbons. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified	
Eugenol (97-53-0)		
LD50 oral rat	1930 mg/kg	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Causes serious eye irritation.	
Respiratory or skin sensitization	ation : May cause an allergic skin reaction.	
Germ cell mutagenicity	city : Not classified	
Carcinogenicity	: Not classified	
Eugenol (97-53-0)		

3 IARC group Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified Specific target organ toxicity (repeated exposure) : Not classified Aspiration hazard : Not classified Symptoms/injuries after inhalation : None expected under normal conditions of use. Symptoms/injuries after skin contact : May cause an allergic skin reaction. Symptoms/injuries after eye contact : Causes eye irritation. Symptoms/injuries after ingestion : May be harmful if swallowed.

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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information

: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations

: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

Not applicable

14.2. UN proper shipping name

No additional information available

14.3. Additional information

Transport by sea No additional information available

Air transport No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard	
	Delayed (chronic) health hazard	

Eugenol (97-53-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations No additional information available

SECTION 16: Other	information, including date of preparation or last revision	
Revision date	: 09/08/2014	

Other information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Sens. 1	Skin sensitization Category 1
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom 2012) - US