

PermaTone®

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Version 1.01

Product identifier

Product Category GLAZES AND STAINS

Product Name CASTELLO, RIFLEXI

Product Use Professional use only
Restrictions on use None known

Uses advised against Not suitable for use in homemaker (DIY) applications

1.1 Details of the supplier of the safety data sheet

Supplier PermaTone Inc.
11620 Brittmoore Park Drive
Houston, TX. 77041
Phone Number: 832-243-0787

E-mail Address orders@permatone.com

1.2 Emergency telephone number

Emergency telephone number (832) 243-0787

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Skin sensitization	Category 1
Carcinogenicity	Category 1A

2.2 Label elements

Signal Word

Danger

Hazard Statements

May cause an allergic skin reaction
May cause cancer



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.
 Avoid breathing dust/fumes/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store in accordance with local regulations

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards not otherwise classified (HNOC)

Not Applicable

2.4 Other information

Not Applicable

3. Composition/Information on Ingredients

Substance

Chemical Name	CAS-No	Weight %
Crystalline Silica (Quartz)	14808-60-7	50-70
Calcium Carbonate	1317-65-3	<9
Titanium Dioxide	13463-67-7	<.03

4. First aid measures

4.1 Description of first-aid measures

General advice	If symptoms persist, call a physician.
Eye contact	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing to ensure adequate flushing by separating the eyelids.
Skin contact	Immediately wash skin with plenty of soap and water, rinse for at least 15 to 20 minutes. Immediate medical attention is not required unless irritation develops or persists.
Inhalation	If inhaled, remove to fresh air. Immediate medical attention is not required. Seek medical attention if symptoms persist.

Ingestion

If swallowed, DO NOT INDUCE VOMITING. Seek medical assistance immediately or contact the local poison control center. Never give anything by mouth to an unconscious person.

Notes to physicians:

Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

5.2 Specific hazards arising from the substance or mixture**Special Hazard**

No information available

Hazardous Combustion Products No information available.

Explosion Data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

6.2 Environmental precautions

Prevent product from runoff into storm sewers, ditches and waterways. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Spills and leaks are not likely. Contain spills with an inherent absorbent material such as soil, sand or oil dry.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapor, aerosol or mist.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep in a dry, cool and well-ventilated place. Keep out of the reach of children. Store in accordance with local regulations. Keep from freezing.
Materials to Avoid	Strong oxidizing agents. Strong acids. Strong bases.

8. Exposure controls/personal protection

8.1 Occupational Exposure Limits (OEL)

Chemical Name	ACGIH TLV	OSHA PEL	BC	
Crystalline Silica (Quartz)	0.025MG/M3		5UG/M3	N.E
Calcium Carbonate	10MG/M3	15MG/M3	10MG/M3	N.E
Titanium Dioxide	10MG/m3	10MG/m3		N.E

8.2 Appropriate engineering controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
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8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection	If splashes are likely to occur, wear tightly fitting safety glasses or splash goggles.
Skin and body protection	Wear appropriate protective gloves and other protective clothing to prevent skin contact.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene measures	See section 7 for more inform

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous liquid
Color	Off-white
Odor	Faint
Odor Threshold	No information available
<u>Property</u>	<u>Values</u>
pH	>8
Melting/freezing point	
Boiling point/boiling range	> 100 °C / 212 °F

Remarks • Methods

Flash Point	no data available	No information available
Evaporation rate		
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure	2.3kPa (17.5 mm Hg) at 20°C	No information available
Vapor density		No information available
Specific Gravity	0.96 - 1.89 g/cc	
Water solubility	Soluble in water	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		
Decomposition temperature		
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available
9.2 Other information		
Volatile organic compounds (VOC) content		1.25 g/l
Density	8.0 - 15.0 lbs/gal	

10. Stability and Reactivity

10.1 Reactivity

Stable under normal conditions

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10.2 Chemical stability

Stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Do not freeze. To avoid thermal decomposition, do not overheat.

10.5 Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological information

11.1 Acute toxicity**Numerical measures of toxicity: Product Information**

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

Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND 14808-60-7	500 mg/kg (Rat)	-	-

11.2 Information on toxicological effects**Skin corrosion/irritation**Product Information

- No information available.

Component Information

- No information available

Eye damage/irritationProduct Information

- No information available.

Component Information

- No information available

Respiratory or skin sensitizationProduct Information

- May cause sensitization by skin contact.

Component Information

- No information available

Germ Cell MutagenicityProduct Information

- No information available.

Component Information

- No information available

Carcinogenicity

- The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND 14808-60-7	A2	Group 1	Known	
Titanium Dioxide	-		-	

Reproductive toxicity

Product Information

- No information available.

Component Information

- No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

Other adverse effectsTarget Organs

- None under normal use conditions.

Product Information

- No information available.

Component Information

- No information available

Aspiration hazardProduct Information

- No information available.

Component Information

- No information available

12. Ecological information

12.1 Toxicity**Ecotoxicity**

No information available

Ecotoxicity effects**12.2 Persistence and degradability**

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste Disposal Guidance

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Dispose of in accordance with federal, state, and local regulations.

14. Transport Information

	<u>DOT</u>	Not regulated
MEX		Not regulated
IMDG		Not regulated
IATA		Not regulated

15. Regulatory information

15.1 International Inventories

TSCA	-
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies
NZIoC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Substances/EU List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and 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
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND - 14808-60-7	Carcinogen
Titanium dioxide - 13463-67-7	Carcinogen

16. Other Information

<u>NEPA</u>	Health Hazard 1	Flammability 0	instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health Hazard 1	Flammability 0	instability 0	Personal Protection B

Health	*	2
Flammability		0
Physical hazards		0

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)

Ceiling (C)

DOT (Department of Transportation)

EPA (Environmental Protection Agency)

IARC (International Agency for Research on Cancer)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)

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

PEL (Permissible Exposure Limit)

Reportable Quantity (RQ)

Skin designation (S*)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

Revision Date May 01, 2019**Revision Note**
No information available**Disclaimer**

The information provided on this SDS 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 as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet