

# SAFETY DATA SHEET

# PRORESTORE.

PRODUCTS

Revision Date 06-Oct-2016  
Version 3.03

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

### 1.1 Product identifier

**Product name** Crystal Odor Counteractant Professional Citrus  
**Product code** LG-F1033

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use** Professional Deodorizer  
**Restrictions on use** Professional Use Only

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

**Supplier** Legend Brands  
ProRestore Products  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

Legend Brands  
4520 Eastgate Parkway  
Mississauga, ON L4W 3W6  
800-932-3030

### 1.4 Emergency telephone number

**Emergency telephone number** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin sensitization	Category 1
Carcinogenicity	Category 1A

### 2.2 Label elements

#### Signal Word

Danger

#### Hazard Statements

Causes skin irritation  
Causes serious eye irritation  
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/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/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 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/attention  
 IF ON SKIN: Wash with plenty of water and soap  
 Take off contaminated clothing and wash it before reuse  
 If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity**

< 1% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients**

Substance  
Mixture

Chemical Name	CAS-No	Weight %
BENTONITE	1302-78-9	50 - 60
Amorphous Silica	7631-86-9	10 - 20
TERPENES AND TERPENOIDS, SWEET ORANGE OIL	68647-72-3-LB	5 - 10
Aluminum Oxide	1344-28-1-LB	5 - 10
Iron oxide	1309-37-1	1 - 5
D-limonene	5989-27-5	1 - 5
Crystalline silica (Quartz) (Respirable)	14808-60-7	1 - 5
CALCIUM OXIDE/LIME	1305-78-8-LB	1 - 5
Titanium dioxide	13463-67-7	< 1
2,6-OCTADIENAL, 3,7-DIMETHYL-	5392-40-5	< 1

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

**4. First aid measures**

#### **4.1 Description of first-aid measures**

<b>General advice</b>	No information available.
<b>Eye contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Call a poison control center or doctor for treatment advice. Tilt the head to prevent chemical from transferring to the uncontaminated eye.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<b>Inhalation</b>	Move to fresh air. Call a physician or poison control center immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Dilute with water or milk. Never give fluids if the victim is unconscious or having convulsions.

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

<b>Symptoms</b>	See Section 2.2, Label Elements and/or Section 11, Toxicological effects.
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#### **4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to physician</b>	Treat symptomatically.
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### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam. Water may be unsuitable for extinguishing fires. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

**Unsuitable Extinguishing Media** None.

#### **5.2 Special hazards arising from the substance or mixture**

##### **Special Hazard**

Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product

**Hazardous Combustion Products** No information available.

##### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### **5.3 Advice for firefighters**

Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. Thoroughly decontaminate all protective equipment after use. Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. .

### **6. Accidental Release Measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used.

**Other information** Follow personal protective equipment recommendations found in Section 8. 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. Never exceed any occupational exposure limits. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). The product must not be allowed to run into drains or waterways. Do not allow smoking in the area.

**6.2 Environmental precautions**

See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**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** Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

**Hygiene measures** It is good practice to avoid contact with the product and/or its vapor, mists or dust by using appropriate protective measures. Wash thoroughly after handling and before eating or drinking.

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

**Storage Conditions** Keep container tightly closed. Store away from other materials. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

**Materials to Avoid** No materials to be especially mentioned.

**8. Exposure controls/personal protection**

**8.1 Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
BENTONITE 1302-78-9	TWA: 1 mg/m <sup>3</sup> respirable fraction	-	TWA: 1.0 mg/m <sup>3</sup>			TWA: 1 mg/m <sup>3</sup>
Amorphous Silica 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA				
Aluminum Oxide 1344-28-1-LB	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 1.0 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
Iron oxide 1309-37-1	TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Crystalline silica (Quartz) (Respirable) 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	: (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA total dust : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2)	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.10 mg/m <sup>3</sup>

		mg/m <sup>3</sup> TWA respirable fraction				
CALCIUM OXIDE/LIME 1305-78-8-LB	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-				TWA: 5 ppm Skin

**8.2 Appropriate engineering controls**

**Engineering Measures**

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

**8.3 Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Safety glasses with side-shields.
- Skin and body protection** Wear suitable protective clothing.
- Respiratory protection** . NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.
- Hygiene measures** See section 7 for more information

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Solid
<b>Appearance</b>	dry, free flowing granules
<b>Color</b>	Beige and Black
<b>Odor</b>	Citrus
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH		No information available
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	2.5	
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
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** 109.5 g/L

**10. Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under normal conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

Keep away from heat, sparks and flames.

**10.5 Incompatible Materials**

None known based on information supplied.

**10.6 Hazardous Decomposition Products**

Not determined.

**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

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

**Oral LD50** 10,740.00 mg/kg  
**Dermal LD50** 16,748.00 mg/kg  
**LC50 (Dust/Mist)** 75.09 mg/l  
**LC50 (Vapor)** 753.00 mg/l

**Numerical measures of toxicity: Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
BENTONITE 1302-78-9	5000 mg/kg ( Rat )	-	-
Amorphous Silica 7631-86-9	5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h
TERPENES AND TERPENOIDS, SWEET ORANGE OIL 68647-72-3-LB	4400 mg/kg ( Rat )	>5 g/kg ( Rabbit )	-
Aluminum Oxide 1344-28-1-LB	5000 mg/kg ( Rat )	-	-
Iron oxide 1309-37-1	10000 mg/kg ( Rat )	-	-
D-limonene 5989-27-5	4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Crystalline silica (Quartz) (Respirable) 14808-60-7	500 mg/kg ( Rat )	-	-
CALCIUM OXIDE/LIME 1305-78-8-LB	500 mg/kg ( Rat )	-	-
Titanium dioxide 13463-67-7	10000 mg/kg ( Rat )	-	-
2,6-OCTADIENAL, 3,7-DIMETHYL- 5392-40-5	4950 mg/kg ( Rat )	= 2250 mg/kg ( Rabbit )	-

**11.2 Information on toxicological effects**

**Skin corrosion/irritation**

Product Information

- No information available

Component Information

- No information available

**Serious eye damage/eye irritation**

Product Information

- May cause eye irritation

Component Information

- No information available

**Respiratory or skin sensitization**

Product Information

- No information available

Component Information

- No information available

**Germ cell mutagenicity**

Product Information

- No information available
- Component Information
- No information available

**Carcinogenicity**

Product Information

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

Component Information

- Contains a known or suspected carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Crystalline silica (Quartz) (Respirable) 14808-60-7	A2	Group 1	Known	
Titanium dioxide 13463-67-7	-	Group 2B	-	

**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 effects**

Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**

Product Information

- No information available

Component Information

- No information available

**12. Ecological information**

**12.1 Toxicity**

Ecotoxicity

No information available

10.17284 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
BENTONITE 1302-78-9	-	LC50: 96 h Oncorhynchus mykiss 19000 mg/L static	-
Amorphous Silica 7631-86-9	EC50: 72 h Pseudokirchneriella subcapitata 440 mg/L	LC50: 96 h Brachydanio rerio 5000 mg/L static	EC50: 48 h Ceriodaphnia dubia 7600 mg/L
D-limonene 5989-27-5	-	LC50: 96 h Pimephales promelas 0.619 - 0.796 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 35 mg/L	-
CALCIUM OXIDE/LIME 1305-78-8-LB	-	LC50: 96 h Cyprinus carpio 1070 mg/L static	-



2,6-OCTADIENAL, 3,7-DIMETHYL-5392-40-5	EC50: 72 h Desmodesmus subspicatus 16 mg/L EC50: 96 h Desmodesmus subspicatus 19 mg/L	-	EC50: 48 h Daphnia magna 7 mg/L
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**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
2,6-OCTADIENAL, 3,7-DIMETHYL-5392-40-5	2.76

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No information available

**13. Disposal Considerations**

**13.1 Waste treatment methods**

Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

**14. Transport Information**

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

**15. Regulatory information**

**15.1 International Inventories**

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

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL - Canadian Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European 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 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 %
Aluminum Oxide 1344-28-1-LB	1.0

**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) (Respirable) - 14808-60-7	Carcinogen
Titanium dioxide - 13463-67-7	Carcinogen

**16. Other information**

<b>NFPA</b>	<b>Health Hazard</b> 2*	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical hazards</b> -
<b>HMIS</b>	<b>Health Hazard</b> 2*	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal protection</b> X

**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** 06-Oct-2016

**Revision Note**  
 No information available

**Disclaimer**

**IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR**

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**End of Safety Data Sheet**