

SAFETY DATA SHEET

PRORESTORE

PRODUCTS

Revision Date 21-May-2015
Version 2

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

1.1 Product identifier

Product name Crystal Odor Counteractant Commercial Citrus
Product code LG-F1023

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

Recommended Use 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

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

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

2.2 Label elements

Signal Word

Danger

Hazard Statements

Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer
May be fatal if swallowed and enters airways

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 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 soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting

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

1.2062% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

Substance

Chemical Name	CAS-No	Weight %
BENTONITE	1302-78-9	50 - 60
AMORPHOUS SILICA	7631-86-9	10 - 20
ALUMINUM OXIDE	1344-28-1	5 - 10
Distillates, petroleum, hydrotreated light	64742-47-8	5 - 10
IRON OXIDE	1309-37-1	1 - 5
D-limonene	5989-27-5	1 - 5
TERPENES AND TERPENOID, SWEET ORANGE-OIL	68647-72-3	1 - 5
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND	14808-60-7	1 - 5
CALCIUM OXIDE/LIME	1305-78-8	1 - 5
monochlorotoluene	25168-05-2	1 - 5
MAGNESIUM OXIDE	1309-48-4	< 1
Titanium dioxide	13463-67-7	< 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

General advice	No information available.
Eye contact	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.
Skin contact	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
Inhalation	Move to fresh air. Call a physician or poison control center immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	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

Symptoms	See Section 2.2, Label Elements and/or Section 11, Toxicological effects.
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4.3 Recommendations for immediate medical care and/or special treatment

Notes to physician	Treat symptomatically.
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5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing agent suitable for type of surrounding fire Use CO₂, 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.
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5.2 Specific hazards arising from the substance or mixture

Special Hazard

None known based on information supplied

Hazardous Combustion Products	No information available.
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Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

5.3 Advice for firefighters

Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary. 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

None required for material as supplied. 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. Shut off ignition sources; including electrical equipment and flames. Do not allow the spilled product to enter public drainage systems or open 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**

In case of insufficient ventilation, wear suitable respiratory equipment. 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 in a dry place. Avoid dust formation. 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 Occupational Exposure Limits (OEL)

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWA/EV
BENTONITE 1302-78-9	TWA: 1 mg/m ³ respirable fraction	-	TWA: 1.0 mg/m ³			TWA: 1 mg/m ³
AMORPHOUS SILICA 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA				
ALUMINUM OXIDE 1344-28-1	TWA: 1 mg/m ³ respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 1.0 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 1 mg/m ³
Distillates, petroleum, hydrotreated light 64742-47-8	-	-	TWA: 200 mg/m ³ Skin			
IRON OXIDE 1309-37-1	TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ TWA: 3 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 10 mg/m ³	TWA: 5 mg/m ³
CRYSTALLINE	TWA: 0.025 mg/m ³	: (30)/(%SiO ₂ + 2)	TWA: 0.025 mg/m ³	TWA: 0.025 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.10 mg/m ³

SILICA (QUARTZ)/ SILICA SAND 14808-60-7	respirable fraction	mg/m ³ TWA total dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction				
CALCIUM OXIDE/LIME 1305-78-8	TWA: 2 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³
MAGNESIUM OXIDE 1309-48-4	TWA: 10 mg/m ³ inhalable fraction	TWA: 15 mg/m ³ fume, total particulate	TWA: 10 mg/m ³ TWA: 3 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³

8.2 Appropriate engineering controls

Engineering Measures

In case of inadequate ventilation wear respiratory protection. 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

Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to handling and processing of material.

Skin and body protection

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

Respiratory protection

If 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. 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

Physical state	Solid
Appearance	crystalline
Color	Black and Beige
Odor	Citrus
Odor Threshold	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) 8%
content

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 1.2062% of the mixture consists of ingredient(s) of unknown toxicity

Oral LD50	9,597.00 mg/kg
Dermal LD50	16,536.00 mg/kg
Mist	100.00 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
ALUMINUM OXIDE 1344-28-1	5000 mg/kg (Rat)	-	-
Distillates, petroleum, hydrotreated light 64742-47-8	5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
IRON OXIDE 1309-37-1	10000 mg/kg (Rat)	-	-
D-limonene 5989-27-5	4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL 68647-72-3	4400 mg/kg (Rat)	>5 g/kg (Rabbit)	-
CRYSTALLINE SILICA (QUARTZ)/ SILICA SAND 14808-60-7	500 mg/kg (Rat)	-	-
CALCIUM OXIDE/LIME 1305-78-8	500 mg/kg (Rat)	-	-
Titanium dioxide 13463-67-7	10000 mg/kg (Rat)	-	-

11.2 Information on toxicological effects

Skin corrosion/irritation

Product Information

- No information available

Component Information

- No information available

Eye damage/irritation

Product Information

- No information available

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

• 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 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

Target Organs

- Eyes
- Lungs
- Respiratory system
- Skin
- Central nervous system
- Not determined.

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

8.310201 % of the mixture consists of component(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 <i>Oncorhynchus mykiss</i> 19000 mg/L static	-
AMORPHOUS SILICA 7631-86-9	EC50: 72 h <i>Pseudokirchneriella</i> <i>subcapitata</i> 440 mg/L	LC50: 96 h <i>Brachydanio rerio</i> 5000 mg/L static	EC50: 48 h <i>Ceriodaphnia dubia</i> 7600 mg/L
Distillates, petroleum, hydrotreated	-	LC50: 96 h <i>Pimephales promelas</i>	-

light 64742-47-8		45 mg/L flow-through LC50: 96 h Lepomis macrochirus 2.2 mg/L static LC50: 96 h Oncorhynchus mykiss 2.4 mg/L static	
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	-	LC50: 96 h Cyprinus carpio 1070 mg/L static	-

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

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

DOT Not regulated

MEX Not regulated

IMDG Not regulated

IATA Not regulated

15. Regulatory information

15.1 International Inventories

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

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical 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 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	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)/ SILICA SAND - 14808-60-7	Carcinogen
Titanium dioxide - 13463-67-7	Carcinogen

16. Other information

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal protection 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 21-May-2015

Revision Note

No information available

Disclaimer

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End of Safety Data Sheet