

Safety Data Sheet
FULL CRYSTAL FULL EXTERIOR

SDS Revision Date: 02/16/2021

1. Identification

1.1. Product identifier

Product Identity

FULL CRYSTAL FULL EXTERIOR

Alternate Names

FULL CRYSTAL FULL EXTERIOR

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

Intended use

See Technical Data Sheet.

Application Method

See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

RDL Crystal Investors, LLC

3291 St. Helena Hwy.

St. Helena, CA 94574

(847) 254-3020

Emergency

24 Hour Emergency Telephone No.

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin Corr. 1;H314 Causes severe skin burns and eye damage.

2.2. Label elements



Danger

H314 Causes severe skin burns and eye damage.

[Prevention]:

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.

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P280 Wear protective gloves, eye protection, face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician.

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium carbonate CAS Number: 0000497-19-8	25 - 50	Eye Irrit. 2;H319	----
pentasodium triphosphate CAS Number: 0007758-29-4	25 - 50	Skin Irrit. 2;H315 Eye Irrit. 2;H319	----
Sodium xylene sulfonate CAS Number: 0001300-72-7	10 - 25	Eye Irrit. 2;H319	----
Sodium silicate pentahydrate CAS Number: 0010213-79-3	5 - 10	Skin Corr. 1;H314 STOT SE 3;H335 Met. Corr. 1;H290 Acute Tox. 4;H302 Eye Dam. 1;H318	----
Sodium Laurel Sulfate Powder CAS Number: 0007464-04-2	5 - 10	Not Classified	----
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts) CAS Number: 0068989-03-7	1 - 5	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Aquatic Chronic 2;H411	----
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- CAS Number: 0160875-66-1	1 - 5	Eye Dam. 1;H318 Acute Tox. 4;H302	----
Benzenesulfonic acid, C10-13-alkyl derivatives sodium salt CAS Number: 0068411-30-3	1 - 5	Eye Irrit. 2;H319 Skin Irrit. 2;H315	----

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

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General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
4.2. Most important symptoms and effects, both acute and delayed	
Overview	No specific symptom data available. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
Skin	Causes severe skin burns and eye damage.

Section 5. Fire-fighting measures
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5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.
Do not breathe dust, fume, mist, vapors or spray.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

ERG Guide No. ----

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

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Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Incompatible with acids, aluminum, phosphorous pentoxide, fluorine, lithium, and 2,4,6- Trinitrotoluene.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

7.3. Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000497-19-8	Sodium carbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0001300-72-7	Sodium xylene sulfonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007464-04-2	Sodium Laurel Sulfate Powder	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007758-29-4	pentasodium triphosphate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0010213-79-3	Sodium silicate pentahydrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068411-30-3	Benzenesulfonic acid, C10-13-alkyl derivatives sodium salt	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068989-03-7	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

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0160875-66-1	Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

8.2. Exposure controls

- Respiratory** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
- Eyes** Protective safety glasses recommended
- Skin** Avoid skin contact. Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.
- Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
- Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- | | |
|--|--|
| Appearance | White Solid |
| Odor | Odorless |
| Odor threshold | No available information |
| pH | No available information |
| Melting point / freezing point | No available information |
| Initial boiling point and boiling range | No available information |
| Flash Point | °F °C, Test method: (Open/Close cup) |
| Evaporation rate (Ether = 1) | No available information |
| Flammability (solid, gas) | No available information |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: No available information
Upper Explosive Limit: No available information |
| Vapor pressure (Pa) | No available information |
| Vapor Density | No available information |
| Relative Density | No available information |
| Solubility in Water | No available information |
| Partition coefficient n-octanol/water (Log Kow) | No available information |
| Auto-ignition temperature | No available information |
| Decomposition temperature | No available information |
| Viscosity (cSt) | No available information |
| Oxidising properties | No available information |

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Explosive properties

No available information

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No available information

10.4. Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials

Incompatible with acids, aluminum, phosphorous pentoxide, fluorine, lithium, and 2,4,6- Trinitrotoluene.

10.6. Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium carbonate - (497-19-8)	2,800.00, Rat - Category: 5	> 2,000.00, Rabbit - Category: NA	2.30, Rat - Category: 3	No data available	No data available
pentasodium triphosphate - (7758-29-4)	3,120.00, Rat - Category: 5	4,641.00, Rabbit - Category: 5	No data available	No data available	No data available
Sodium xylene sulfonate - (1300-72-7)	> 3,000, Rat - Category: 5	>2,000.00, Rabbit - Category: 5	No data available	No data available	No data available
Sodium silicate pentahydrate - (10213-79-3)	847.00, Rat - Category: 4	> 5,000.00, Rat - Category: NA	No data available	No data available	No data available
Sodium Laurel Sulfate Powder - (7464-04-2)	No data available	No data available	No data available	No data available	No data available
Quaternary ammonium compounds, coco alkybis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts) - (68989-03-7)	No data available	No data available	No data available	No data available	No data available
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- - (160875-66-1)	>2,000.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Benzenesulfonic acid, C10-13-alkyl derivatives sodium salt - (68411-30-3)	1,080.00, Rat - Category: 4	>2,000.00, Rat - Category: 5	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
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0000497-19-8	Sodium carbonate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0001300-72-7	Sodium xylene sulfonate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0007464-04-2	Sodium Laurel Sulfate Powder	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0007758-29-4	pentasodium triphosphate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0010213-79-3	Sodium silicate pentahydrate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0068411-30-3	Benzenesulfonic acid, C10-13-alkyl derivatives sodium salt	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0068989-03-7	Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts)	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0160875-66-1	Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1	Causes severe skin burns and eye damage.
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Section 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	227.00, Ceriodaphnia sp.	100.00 (72 hr), Algae
pentasodium triphosphate - (7758-29-4)	1,851.00, Fish	1,150.00, Daphnia magna	1,001.00 (72 hr), Algae
Sodium xylene sulfonate - (1300-72-7)	1,581.00, Oncorhynchus mykiss	40.31, Daphnia magna	310.00 (72 hr), Desmodesmus subspicatus
Sodium silicate pentahydrate - (10213-79-3)	210.00, Brachydanio rerio	1,700.00, Daphnia magna	207.00 (72 hr), Scenedesmus subspicatus
Sodium Laurel Sulfate Powder - (7464-04-2)	Not Available	Not Available	Not Available
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, Me sulfates (salts) - (68989-03-7)	Not Available	Not Available	Not Available
Poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy- - (160875-66-1)	Not Available	10.00, Daphnia magna	10.00 (72 hr), Algae
Benzenesulfonic acid, C10-13-alkyl derivatives sodium salt - (68411-30-3)	1.67, Lepomis macrochirus	2.90, Daphnia magna	127.90 (72 hr), Desmodesmus subspicatus

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No available information

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated

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14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable Sub Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable Sub Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user	No available information		

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

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This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

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