

Product nam	е	Clear Spa ¹⁰⁴ Spa Solutions Crystal Brite
Revision date		6-11-15
Product ID:		Crystal Brite
Chemical Name: Synonyms: Chemical Formula CAS Number: Product Use:	a:	Not Available Not Available Not Available Not Available Water Clarifier
Supplier:	Oreq Corporation 42306 Remington A Temecula, CA 9259 951-296-5076	
Emergency Phone	e# Cl	nemtrec: 1-800-424-9300
OSHA/HCS status		aterial is considered hazardous by the OSHA Hazard Communication Standard R 1910.1200).
GHS Classificatio	n: SERIOU	JS EYE DAMAGE/ EYE IRRITATION - Category 2B
GHS SIGNAL WO	RD:	WARNING
HAZARD PICTOGI	RAM:	
	(s) ses serious eye dama ses eye irritation	age
		rotective clothing/eye protection/face protection after handling
present an P337 + P3 <u>Storage</u> No	d easy to do. Continu	ES: Rinse cautiously with water for several minutes. Remove contact lenses, if e rinsing ersists: Get medical advice/attention.



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Substance/mixture:	Mixture
Other means of	
Identification:	Not available.

Product code: Clear Spa 104 Spa Solutions Crystal Brite

While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

Description of necessary first aid measures

- **Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10minutes. If irritation persists, get medical attention.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semicomatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Inhalation :	No known significant effects or critical hazards.
Ingestion :	No known significant effects or critical hazards.
Skin contact :	No known significant effects or critical hazards.
Eye contact :	Causes eye irritation.



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Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: irritation watering redness Inhalation: No specific data. Skin contact: No specific data. Ingestion: No specific data.					
Notes to physician:	al attention and special treatment needed, if necessary In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. No specific treatment. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Section 11)				
<u>Extinguishing media</u> Suitable extinguishing media: Unsuitable extinguishing med	Use an extinguishing agent suitable for the surrounding fire. a: None known.				
Specific hazards arising from the chemical	In a fire or if heated, a pressure increase will occur and the container may burst.				
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds Bromptly isolate the scene by removing all persons from the visibility of the				
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.				
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.				

Personal precautions, protective equipment and emergency procedures

For non-emergency:No action shall be taken involving any personal risk or without suitable training.PersonnelEvacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not
touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation.
Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective
equipment.



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- **For emergency responders:** If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
- **Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spillStop leak if without risk. Move containers from spill area. Dilute with water and mop up
if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and
place in an appropriate waste disposal container. Dispose of via a licensed waste
disposal contractor.
- Large spill Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Precautions for safe handling

Protective measures:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general Occupational hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



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<u>Control parameters</u> <u>Occupational exposure limits</u>	None
Appropriate engineering controls:	Good general ventilation should be sufficient to control worker exposure to airborne
Environmental exposure controls:	contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection	
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of gloves cannot be accurately estimated.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Physical state: Color: Odor: Odor Threshold: pH Liquid Amber Slight Not available 4 to 8 Vapor pressure: Vapor density: Relative density: Dispersibility properties:

Not available Not available Not available Not available



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Melting point: Boiling point: Flash point: Evaporation rate: Flammability (solid, gas) Lower and upper explosive (flammable) limits Not available Not available Closed cup: >100°C (>212°F) Not available Not available Not available

Solubility:Easily soluble in the following
materials: cold water / hot waterPartition coefficient:Not availablen-octanol/waterNot availableAuto-ignition temperature:>200°C (>392°F)Decomposition temperature:Not availableViscosity:Not availableVOC:Not available

Reactivity : Chemical stability: Possibility of hazardous reactions:	No specific test data related to reactivity available for this product or its ingredients. The product is stable. Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition	Under normal conditions of storage and use, hazardous decomposition products should
Products:	not be produced.

Information on toxicological effects

Α	С	u	te	1	to	X	İC	;i	t١	V	

Product/ingredient name	Result	Species	Dose	Exposure
Clear Spa 104 Spa Solutions Crystal Brite	LD50 Oral	Rat	>2000 mg/kg	-
Conclusion/Cummonsu	This product is pr		inholotion	

Conclusion/Summary:

This product is not expected to be toxic by inhalation.

Irritation/Corrosion

Product/ingredient name		Result	Species	Score	Exposure	Observation
Clear Spa 104 Spa		Eyes- Mild irritant	Mammal- species unspecified	-	-	-
Solutions Crystal Brit	е	Skin- Mild irritant	Mammal- species unspecified	-	-	-
		Respiratory-				
		Mild irritant	Mammal- species unspecified	-	-	-
<u>Conclusion/Summary</u> Skin:	This product has been tested for cutaneous irritation on New Zealand White male rabbits according to OECD guideline 404. No effects (erythema or edema) were observed after 24 hours. This product is not irritating to skin. May cause skin irritation with susceptible persons.					
Eyes:	Testi	Testing conducted on rabbits showed minor transient irritation which cleared within days.				
Respiratory:	Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time of exposure.					
Sensitization Conclusion/Summary	Not a	vailable				
Skin:	This product is not expected to be sensitizing.					
Respiratory:	This product is not expected to be sensitizing.					



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Mutagenicity <u>Conclusion/Summary:</u>	Not available. Not mutagenic in Ames test. Not mutagenic in micronucleus test on mice.				
Carcinogenicity	This product has not been tested unless noted in summary results.				
Reproductive toxicity	Not available				
Teratogenicity	Not available				
Conclusion/Summary:	Not teratogenicity. NOEL = 175 mg/kg				
Specific target organ toxicity Single exposure - Repeated exposure-	Not available Not available				
Aspiration hazard	Not available				
Information on the likely routes of exposure:	utes of entry anticipated: Dermal, Inhalation. utes of entry not anticipated: Oral.				
Potential acute health effects					
Eye contact: Inhalation: Skin contact: Ingestion:	Causes eye irritation Io known significant effects or critical hazards. Io known significant effects or critical hazards. Io known significant effects or critical hazards.				
Symptoms related to the physical Eye contact : Adverse symptomic irritation watering	sical, chemical and toxicological characteristics oms may include the following:				
redness Inhalation: No specific dat Skin contact: No specific dat Ingestion: No specific dat	a				
	ts and also chronic effects from short and long term exposure				
<u>Short term exposure</u> Potential immediate effects: Potential delayed effects: Long term exposure	Not available Not available				
Potential immediate effects: Potential delayed effects: <u>Potential chronic health effec</u> Conclusion/Summary :	Not available Not available Not available Chronic Toxicity:NOEL / Oral / rat 90-day =5000 mg/kg Two year feeding study on rats and dogs did not reveal any adverse health effects. Not mutagenetic in AMES Test. Not mutgenetic in micronucleus test on mice. Not teratogenic, NOEL = 175 mg/kg.				
General: Carcinogenicity: Mutagenicity:	No known significant effects or critical hazards No known significant effects or critical hazards No known significant effects or critical hazards				



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Teratogenicity: Developmental effects: Fertility effects:	No known significant effects or critical hazards No known significant effects or critical hazards No known significant effects or critical hazards
Numerical measures of toxicity Acute toxicity estimates	Not available

Toxicity

Product/ingredient name	Result	Species	Exposure
Clear Spa 104 Spa Solutions	Acute EC50 >10 mg/l	Daphnia	48 hours
Crystal Brite	Acute LC50 >10 mg/l	Fish	96 hours

Disposal methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any byproducts 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.

	DOT Classification	IMDG	ΙΑΤΑ	
UN number	Not regulated	Not regulated	Not regulated	
UN proper shipping name	-	-	-	
Transport hazard class(es)	-	-	-	
Packing group	-	-	-	
Environmental hazards	No	No	No	
Additional information	-	-	The environmentally hazardous substance mark may appear if required by other transportation regulations.	

<u>Special precautions for user:</u> Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according:Not availableto Annex II of MARPOL73/78 and the IBC Code



Product r	name
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Potential impurities present in trace quantities are included in the regulatory listings of this section. U.S. Federal regulations : United States inventory (TSCA 8b): All components are listed or exempted.

SARA 302/304 Composition/information on ingredients No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312 Classification : Immediate (acute) health hazard Composition/information on ingredients

No products were found.

CERCLA: CERCLA: Hazardous substances.: No products were found.

FDA: This product is allowed under the following FDA (21 CFR) sections :176.170 Limitations: 1) As a pigment dispersant and/or retention aid prior to the sheet-forming operation in the manufacture of paper and paperboard, and used at a level not to exceed 10 pounds of active polymer per ton of finished paper and paperboard. 2) As a pigment dispersant in coatings at a level not to exceed 3.5 pounds of active polymer per ton of finished paper and paperboard. 3) For use only as a flocculant employed prior to the sheet forming operation in the manufacture of paper and paperboard. (10 parts per million) of influent water

FIFRA This product is not a registered pesticide.

HMIS/NPCA Rating Health	1	Flammability	0	Reactivity	0
NFPA RatingsHealth	1	Flammability	0	Reactivity	0

DATE OF PREPARATION 6-11-2015

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