Product Name Product id Revision date	Regal Pool Stabilizer2011C Reg.03/08/2006Revision: 1
1. Identification of the s	ubstance & the company
Chemical name	Cyanuric acid
Synonym(s)	Cyanuric Acid Powder, Cyanuric Acid Granular, Isocyanuric acid, Cyanuric acid
Chemical formula	C 3 H 3 N 3 O 3
Chemical family	Isocyanurate
Molecular weight	129.08
Type of product and use	Chlorine stabilizer for swimming pool use.
Manufactured for	Alliance Trading, Inc. 109 Northpark Blvd., Suite 400, Covington, LA 70433-5001, USA Customer Service: (800) 959-7946
Emergency Telephone	Chemtrec (Transportation) (800)424-9300 Medical (800) 255-3924

2. Composition / information on ingredients

Components	Weight %	ACGIH-TLV Data	OSHA (PEL) Data
Cyanuric acid	90-99	Not determined	Not determined
108-80-5			
SULPHURIC ACID %	0-1	1 mg/m ³ ,A2 (Designation	1 mg/m³
7664-93-9		refers to sulfuric acid	
		contained in strong inorganic	
		acid mists)	
		3 mg/m ³ , 15 min (STEL)	
Ammeline	0-0.5	Not determined	Not determined
645-92-1			
Ammelide	0-0.5	Not determined	Not determined
645-93-2			

3. Hazards identification

Emergency overview

White granules or powder Irritant to eyes and respiratory system.

Potential Health Effects:

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- Eye Contact	Contact with eyes may cause slight irritation consisting of redness, swelling and mucous discharge to the conjunctiva. No corneal damage or visual impairment.
- Skin contact	Skin contact may cause a mild irritation consisting of transient redness. This irritation effect would not be expected to result in permanent damage.
- Inhalation	No significant adverse effects to health would be expected to occur from inhalation with normal use of this product. However, if dust is created and inhaled, inhalation may cause mild irritation to the throat, mucous membranes and upper respiratory tract.
- Ingestion	Ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea.
NFPA Ratings (Scale 0-4)	Not established
HMIS Ratings (Scale 0-4)	Health = 1, Fire = 0, Reactivity = 0.
4. First-aid measures	
 First-aid measures Eye contact 	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Get medical attention immediately.
	least 20 minutes.
Eye contact	least 20 minutes. Get medical attention immediately. Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before re-use.

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Notes to the physician	Irritant No specific antidote. Treat symptomatically and supportively. In case of ingestion induce vomiting in alert patient.
5. Fire - fighting measur	es
Flash point Flammable/Explosion limits Auto-ignition temperature Suitable extinguishing media Fire fighting procedure	Not applicable Not applicable Not applicable Use extinguishing media appropriate to surrounding fire conditions. Cool containers with water spray. In closed stores, provide fire-fighters with self- contained breathing apparatus in positive pressure mode.
Unusual fire and explosion hazards	When heated to decomposition, may release poisonous and corrosive fumes of CO2, CO, NOx and cyanic acid.

6. Accidental release measures	
Personal precautions	See section "Exposure controls/personal protection".
Methods for cleaning up	Sweep up, place in a suitable container and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.
- Soil	Keep spill materials dry and free of all foreign matter. Containerize in a clean, dry container.
- Water - In air	This material is heavier than water. This material is very slightly soluble in water. Not applicable
7. Handling and stora	ge

Handling	Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin or eyes, wash off with water.
Storage	Store in a dry, cool area. Product has an indefinite shelf-life limitation. Do not store at temperatures above 60°C/140°F.

8. Exposure controls / personal protection

Ventilation requirements Use local exhaust as necessary, especially under dusty conditions.

Personal protective equipment:

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 Respiratory protection Hand protection Eye protection Skin and body protection Hygiene measures 	When dusty conditions are encountered, wear a NIOSH/OSH, with chlorine cartridges for protection againts chlorine gas and Neoprene gloves Chemical safety goggles Body covering clothes and boots Do not eat, smoke or drink where material is handled, process hands carefully before eating or smoking.	d dust/mist pre-filter.

9. Physical and chemical properties

Appearance Odor Melting point/range Boiling point/range Vapour pressure Vapor density Evaporation rate (ether=1) Solubility:	White granules or powder None Sublimes at 320-330°C (608-626°F) Not applicable Not applicable under standard conditions Not applicable under standard conditions Not applicable under standard conditions
- Solubility in water	0.27 g/100ml at 25°C
Bulk density	0.79-0.85 g/cc
Specific gravity	2.5
pH	3.8-4.0
Decomposition temperature	Not applicable

10. Stability and reactivity

Stability Materials to avoid Conditions to avoid Hazardous decomposition	Stable under normal conditions Oxidizing agents Heating above 330°C (626°F)
products	Cyanic acid, nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous polymerization	Will not occur

11. Toxicological information

Acute toxicity:	
- Rat oral LD50	>5000 mg/kg
- Rabbit dermal LD50	>2000 mg/kg
- Eye irritation (rabbit)	Mild irritant
- Dermal irritation (rabbit)	Mild irritant

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Target organ effects	May cause mild skin and eye irritation. Based on data from toxicological investigations, cyanuric acid does not result in direct target damage. Damage to the kidneys and bladder has been observed in rats when these animals are provided a saturated solution (5375 ppm) of cyanuric acid for their drinking water. During excrection of high amounts by the kidney, stones of cyanuric acid can form (calculi) resuting in mechanical damage which is secondary to stone formation. There should be no risk to humans during manufacture of the product, its use as a swimming-pool disinfectant, or even by consumption of dilute solutions (1-10 ppm) of cyanuric acid. Cyanuric acid is excreted unchanged rapidly via the kidneys. It lacks the potential to bioaccumulate in the body.
Chronic toxicity	There are no known or reported effects from chronic exposure except for effects similar to those experienced from single exposure.
Mutagenicity	Not known or reported to be mutagenic. Cyanuric acid was demonstrated to be non-mutagenic in the Ames assay, both with or whithout metabolic activation.
Carcinogenicity	Cyanuric acid is not known to be a carcinogen. Not classified by IARC, OSHA, EPA. Not included in NTP 10th Report on Carcinogens. Sulfuric acid is not known or reported to be carcinogenic by any reference source. IARC evaluated several epidemiology studies where individuals in a variety of industries had been exposed to a mixture of strong inorganic acid mists is carcinogenic to humans. Because cancer has not been observed in animals when they are exposed only to sulfuric acid mist, exposure to sulfuric acid by itself was not determined to be carcinogenic to humans.
Reproductive toxicity	 There are no known or reported effects on reproductive function or fetal development. Monosodium cyanurate (the sodium salt of cyanuric acid) has been tested by oral gavage in pregnant rats and rabbits. No teratogenic effects were seen in the offspring of either species. Sulfuric acid aerosol (95.7% purity) was tested in pregnant mice and rabbits exposed to the concentrations of 0, 5 and 20 mg/cubic meter by inhalation on gestational days 6-15 and 6-18, respectively. No reproductive or developmental effects were seen in eitheir species at any of the exposure concentrations utilized.

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12. Ecological information

>2,100 mg/l (Bluegill sunfish)
>2,100 mg/l (Fathead minnow)
>2,100 mg/l (Rainbow trout)
1,000 mg/l
>10,000 ppm
>10,000 ppm

13. Disposal considerations

Waste disposal

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

14. Transportation information		
DOT	Not regulated	
IMO	Not regulated	
ICAO/IATA	Not regulated	
ICAO/IATA	Not regulated	

15. Regulatory information

USA	Reported in the EPA TSCA Inventory
EPCRA (SARA title III) Sara (311, 312) hazard class	This product is categorized as an immediate health hazard, and fire and reactivity physical hazard
Sara 313 title III	This mixture or trade name product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.(See section 2 for Composition) Chemicals Listed are: Sulfuric acid
- WORKPLACE CLASSIFICATION	This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

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EEC

All the ingredients in this preparation are reported in EINECS

16. Other information

MANUFACTURER DISCLAIMER: IMPORTANT: This information is given without a warranty or guarantee. No suggeations for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

End of safety data sheet