

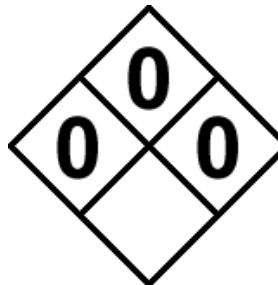


HASA POOL CONDITIONER

Material Safety Data Sheet

Emergency 24 Hour Telephone: CHEMTREC 800.424.9300

Corporate Headquarters: Hasa Inc.
23119 Drayton Street
Saugus, California 91350
Telephone • 661.259.5848
Fax • 661.259.1538



HASA POOL CONDITIONER
Material Safety Data Sheet MSDS No. 205

IDENTIFICATION OF PRODUCT

Product Name:	HASA POOL CONDITIONER
Common Chemical Names:	Cyanuric Acid, Isocyanuric Acid, s-triazine-2,4,6-triol
Chemical Names of Ingredients:	1,3,5-triazine-2,4,6 [1H, 3H, 5H] trione
Chemical Family:	s-triazinetrione
CAS Registry Number:	108-80-5
Empirical Formula:	C ₃ H ₃ N ₃ O ₃

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not Applicable.	Flash Point:	Not Applicable.
Weight/Gallon:	Not Applicable.	pH:	3-4 [1% solution]
Density [liquid]:	Not Applicable.	Odor:	None.
Bulk Density:	40-50 lbs/ft ³	Boiling Point:	Not Applicable.
Melting Point:	330°C [Decomposes]	Freezing Point:	Not Applicable.
Physical State:	Granules	Color:	White
Solubility in Water:	0.3 g/100 ml at 25°C	Stability:	Stable

PHYSICAL HAZARDS

Potential for Fire:	Nonflammable.
Potential for Explosion:	Decomposes above 330°C to cyanic acid.
Reactivity:	Reacts with alkalis. Hazardous polymerization will not occur.
Extinguishing Media:	Use water spray or fog nozzle to keep containers cool. Move containers away from fire if there is no risk.
Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective clothing.

HEALTH HAZARDS	
Signs and Symptoms of Exposure:	Eye and skin irritation.
Medical Conditions Aggravated by Exposure:	No data available.
Oral [ingestion] LD₅₀:	15,000 mg/kg ² [rat]
Dermal [skin absorption] LD₅₀:	Cyanuric acid is not absorbed through the skin.
Inhalation [breathing] LC₅₀:	No data available. Dust may irritate respiratory system.
Eye Irritation:	Dust may cause slight irritation of eyes.
Skin Irritation:	Irritant. Not considered to be a skin sensitizer.
OSHA PEL:	None Established.
ACGIH TLV/TWA:	None Established.

POTENTIAL ROUTE [S] OF ENTRY	
Inhalation [Breathing]:	Inhalation of dust.
Dermal [Skin]:	Dust contact.
Eyes:	Dust contact.
Ingestion:	Swallowing of granules.

CARCINOGENIC [CANCER POTENTIAL] INFORMATION	
National Toxicological Program [NTP] <i>Sixth Annual Report on Carcinogens</i>:	Not listed.
International Agency for Research on Cancer [IARC] <i>Monographs, V. 1-53, Supps. 1-8</i>:	Not listed.
Listed by Federal OSHA as Carcinogens:	Not listed.
Safe Drinking Water and Toxic Enforcement Act of 1986 [Proposition 65, California only]:	Not listed.

GENERAL PRECAUTIONS FOR SAFE USE AND HANDLING
Store in a cool dry place. Do not mix with alkaline or acidic materials. Keep container closed and protected against physical damage. Separate from incompatible materials in storage areas. Keep containers closed when not in use. Keep out of the reach of children.

PERSONAL PROTECTION AND HYGIENE
Avoid contact with skin and eyes.

CLEAN-UP OF SPILLS
Sweep up granules. Recycle into pool or spa water if possible. If recycling is not possible place in trash for collection or flush to a sanitary sewer. See direction on labeling. Contact HASA Inc. for guidance.

FIRST AID	
Eye Contact:	Flush with water. Remove contact lenses [if applicable]. Hold eyelids open. Continue flushing with water for 15 minutes. If irritation persists, call a physician.
Skin Contact:	Wash affected area with soap and water.
Ingestion [swallowing]:	Rinse mouth and give 1 or 2 glasses of water.
Inhalation:	Remove from area of contact. If irritation persists, call a physician.

FEDERAL/STATE LISTS/REGISTRATION/S/REPORTING REQUIREMENTS	
CERCLA Hazardous Substance [Section 1010 [4], P.L. 96-510]:	Not listed.
Extremely Hazardous Substance [40 CFR 355, Appendix A]:	Not listed.
Pesticide Product 7 U.S.C. 136 et seq.:	Not registered.
Toxic Substance under TSCA:	Not reported.

Pesticide Product [various State laws]:	Not used for pesticide purposes requiring registration. California Department of Pesticide Regulation requires registration as a "spray adjuvant".
FDA:	No requirements.

MATERIAL CLASSIFICATION	
OSHA Hazard Communication Standard, Department of Labor, Occupational Safety and Health Division, 29 CFR 1910.1200:	Irritant
Hazardous Materials Transportation Regulations, Department of Transportation (Federal) 49 CFR 172.101:	Not listed at CFR 172.101
National Fire Protection Association NFPA 704 [1990]:	0-0-0
BOCA National Fire Prevention Code/National Building Code [1999 editions]:	Irritant
Standard Fire Prevention Code/Standard Building Code [1997 editions]:	Irritant
Uniform Fire Code/Uniform Building Code [1997 editions]:	Irritant
Uniform Fire Code Standards 79-3, Uniform Fire Code, V. II [1997 edition]:	0-0-0

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