



# HASA ALGI-CONTROL CONCENTRATE

## Safety Data Sheet


**HASA ALGI-CONTROL CONCENTRATE**  
Safety Data Sheet (SDS No. 313)

Emergency 24 Hour Telephone: **CHEMTREC 800.424.9300**

Corporate Headquarters: Hasa Inc.  
P.O. Box 802736  
Santa Clarita, CA 91355  
Telephone • 661.259.5848  
Fax • 661.259.1538

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	<b>Product Identification:</b>	
1.1.1	<b>Product Name:</b>	Hasa Algi-Control Concentrate
1.1.2	<b>CAS #</b> (Chemical Abstracts Service Registry Number):	See Section 3.
1.1.3	<b>EINECS</b> (European Inventory of Existing Commercial Substances):	No information available, product is a mixture.
1.1.4	<b>RTECS</b> (Registry of Toxic Effects of Chemical Substances):	No information available, product is a mixture.
1.1.5	<b>Synonym:</b>	Quats, quaternary ammonium salts.
1.1.6	<b>Chemical Name:</b>	Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>15</sub> ) dimethyl benzyl ammonium chloride; Dialkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) methyl benzyl ammonium chloride.
1.1.7	<b>Chemical Formula:</b>	[R <sub>1</sub> -N(CH <sub>3</sub> ) <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> ] <sup>+</sup> Cl <sup>-</sup> ; [R <sub>2</sub> -N(CH <sub>3</sub> ) <sub>2</sub> CH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> C <sub>2</sub> H <sub>5</sub> ] <sup>+</sup> Cl <sup>-</sup>
1.1.8	<b>Chemical Family:</b>	Quaternary Ammonium Compound.
1.2	<b>Recommended Uses:</b>	Along with sodium hypochlorite, quaternary ammonium salts are the primary chemicals used in swimming pools as sanitizing agents.
1.3	<b>Company Identification:</b>	Hasa Inc. P. O. Box 802736 Santa Clarita, CA 91355
1.4	<b>Emergency Telephone Number:</b>	<b>CHEMTREC (24 Hour):</b> 1-800-424-9300
1.5	<b>Non-Emergency Assistance:</b>	661-259-5848 (8 AM – 5 PM PST / PDT)

<b>SECTION 2: HAZARD(S) IDENTIFICATION</b>		
<b>HEALTH HAZARD</b>	Skin Corrosion / Irritation:	Category 1
	Serious Eye Damage / Eye Irritation	Category 1
	Specific Target Organ Toxicity - (Single Exposure)	Category 3 (respiratory tract irritation)
	Acute Toxicity - Oral	Category 4
<b>PHYSICAL HAZARD</b>	Flammable Liquids	Category 3
<b>SYMBOLS</b>		
<b>SIGNAL WORD</b>	<b>DANGER</b>	
<b>HAZARD STATEMENT</b>	Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation. Harmful if swallowed. Flammable liquid and vapor.	
<b>PRECAUTIONARY STATEMENT</b>	<b>Prevention</b>	
	Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Keep away from heat / sparks / open flames / hot surfaces. Keep container tightly closed. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge.	
	<b>Response</b>	
	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center/doctor. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. In case of fire, use water to extinguish.	
	<b>Storage and Disposal</b>	
Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep cool. Dispose of container/contents in accordance with local, regional, national, international regulations as specified.		

<b>SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS</b>			
	<b>Ingredient</b>	<b>CAS No.</b>	<b>Approx. Wt.%</b>
3.1	Alkyl dimethyl benzyl ammonium chloride	68391-01-5	49.8%
3.2	Dialkyl methyl benzyl ammonium chloride	73049-75-9	0.2%
3.3	Isopropanol	67-63-0	5-10%

**SECTION 4: FIRST AID MEASURES**

4.1.	<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
4.2.	<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
4.3.	<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
4.4.	<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5: FIRE FIGHTING MEASURES**

5.1	<b>Flash Point</b> (Pensky-Martens closed cup):	120°F
5.2	<b>Flammable:</b>	LEL(%): No Data Available. UEL(%): No Data Available.
5.3	<b>Auto Ignition Temp:</b>	No Data Available.
5.4	<b>Extinguishing Media:</b>	Dry Chemical, Water Fog, CO <sub>2</sub> , and Foam.
5.5	<b>Special Fire Fighting Procedures:</b>	Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self-contained breathing apparatus.
5.6	<b>Unusual Fire and Explosion Hazards:</b>	Explosive mixtures can form with air; combustion products are toxic; solvent vapors can travel to an ignition source and flash back.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1	<b>Steps To Be Taken In Case Material Is Spilled Or Released:</b>	Remove ignition sources. Wear respirator. Small Spills absorbed with dry earth, and/or other noncombustible absorbent material and transferred to containers. Use clean non-sparking tools to collect absorbed material. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.
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**SECTION 7: HANDLING AND STORAGE**

Precautions to be taken in Handling and Storage: Avoid contact with skin and eyes.

7.1	<b>Handling:</b>	Keep from freezing. Store in original container, and store in a cool, well ventilated place.
7.2	<b>Storage:</b>	Do not handle or store near an open flame, heat or other sources of ignition.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

8.1	<b>Ventilation:</b>	Mechanical exhaust system should be explosion proof.
8.2	<b>Respiratory Protection:</b>	None required if good ventilation is maintained. For mist or vapor wear NIOSH approved respirator.
8.3	<b>Hand Protection:</b>	Rubber or neoprene gloves.
8.4	<b>Eye Protection:</b>	Wear splash proof safety goggles.
8.5	<b>Protective Clothing or Equipment:</b>	Impervious apron, eyewash facility, emergency shower, face shield.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1	<b>Appearance:</b>	Colorless to light straw in color.
9.2	<b>Odor:</b>	Benzyl aldehyde odor.
9.3	<b>Odor Threshold:</b>	No information available.
9.4	<b>pH:</b>	6 – 8
9.5	<b>Melting Point:</b>	Not pertinent.
9.6	<b>Freezing point:</b>	No information available.
9.7	<b>Boiling Point &amp; Boiling Range:</b>	No information available.
9.8	<b>Flash Point:</b>	120°F
9.9	<b>Evaporation Rate:</b>	No information available.
9.10	<b>Flammability (solid, gas):</b>	Not flammable.
9.11	<b>Upper / Lower Flammability or Explosive Limits:</b>	No information available.
9.12	<b>Vapor Pressure:</b>	24 mm Hg
9.13	<b>Vapor Density:</b>	No information available.
9.14	<b>Relative Density (Specific Gravity):</b>	0.95
9.15	<b>Solubility in Water:</b>	Mixes infinitely with water.
9.16	<b>Partition Coefficient: (n-octanol / water):</b>	No information available.
9.17	<b>Auto-ignition Temperature:</b>	No information available.
9.18	<b>Decomposition Temperature:</b>	No information available.
9.19	<b>Molecular Weight:</b>	No information available as it is a mixture.
9.20	<b>Viscosity:</b>	No information available.

**SECTION 10: STABILITY AND REACTIVITY**

10.1	<b>Stability:</b>	Stable.
10.2	<b>Incompatible Materials:</b>	Strong oxidizers or reducing agents.
10.3	<b>Conditions to Avoid:</b>	Keep away from heat and strong oxidizing agents. Mixing with strong oxidizers or reducing agents.
10.4	<b>Hazardous Decomposition:</b>	Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.
10.5	<b>Hazardous polymerization:</b>	Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1	<b>Acute Toxicity: (Oral LD<sub>50</sub>)</b>	760 mg/kg for males and females combined
11.2	<b>Acute Dermal:</b>	1700 mg/kg
11.3	<b>Primary Skin:</b>	Corrosive.
11.4	<b>Primary Eye:</b>	Corrosive.
11.5	<b>Carcinogenicity:</b>	No information available from our current supplier.

**SECTION 12: ECOLOGICAL INFORMATION**

12.1	<b>Aquatic Toxicity:</b>	Very toxic to aquatic organisms.
12.2	<b>Avian Toxicity:</b>	No information.
12.3	<b>Environmental Hazards:</b> (EPA PR Notice 93-10)	This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, ocean, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

**SECTION 13: DISPOSAL CONSIDERATIONS**


When discarded or disposed of this substance is a hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA hazardous Waste Number D001. The discarding or disposal of this material must be done at a properly permitted facility. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, State and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

14.1	<b>US D.O.T.</b>	
14.1.1	<b>Proper Shipping Name:</b>	Disinfectants, Liquid, Corrosive n.o.s. (Quaternary Ammonium Compound)
14.1.2	<b>Hazard Class / Division:</b>	8
14.1.3	<b>UN ID Number:</b>	UN1903
14.1.4	<b>Labels:</b>	Corrosive.
14.1.5	<b>Placards:</b>	Corrosive.
14.1.6	<b>Markings:</b>	Corrosive.
14.1.7	<b>Packing Group:</b>	II

**SECTION 15: REGULATORY INFORMATION**

15.1	<b>U.S. Regulations:</b>	
15.1.1	<b>OSHA HAZCOM</b> (Hazard Communication)	Not regulated under the HAZCOM Standard (29 CFR 1910.1200)
15.1.2	<b>OSHA PSM</b> (Process Safety Management)	Not regulated under PSM Standard (29 CFR 1910.119)
15.1.3	<b>EPA FIFRA</b> (Federal Insecticide, Fungicide and Rodenticide Act)	EPA Reg No: 69681-20-10897
15.1.4	<b>EPA EPCRA</b> (Emergency Planning and Community Right-to-Know Act)	Sections 311/312/313 –This act requires submission of annual reports of releases of the Isopropanol (a component of this material) if the threshold reporting quantities, as listed in 40 CFR section 372, are met or exceeded.
15.1.5	<b>EPA TSCA</b> (Toxic Substance Control Act)	Listed on the inventory.
15.1.6	<b>EPA RCRA</b> (Resource Conservation and Recovery Act)	EPA Hazardous Waste Number (D001).
15.1.7	<b>EPA RMP</b> (Risk Management Plan)	Not regulated under RMP Standard. (40 CFR 68.130)
15.2	<b>State of California Regulations:</b>	
15.2.1	<b>Prop 65:</b> (Safe Drinking Water and Toxic Enforcement Act of 1986)	No information available from our current supplier.
15.2.2	<b>Cal ARP:</b> (California Accidental Release Prevention)	Not regulated.
15.2.3	<b>CDPR:</b> (California Department of Pesticide Regulation)	Reg. #: 69681-20-AA-10897
15.3	<b>Canada Regulations:</b>	
15.3.1	<b>WHMIS:</b> (Workplace Hazardous Materials Information System)	WHMIS Classification for Isopropanol: B2 - Flammable and combustible material - Flammable liquid D2B - Poisonous and infectious material - Other effects - Toxic Information.
15.3.2	<b>DSL:</b> (Domestic Substances List)	The substance is specified on the public portion of the DSL.

<b>SECTION 16: OTHER INFORMATION</b>			
16.1	<b>HMIS III</b> (Hazardous Materials Identification System):		
	16.1.1	<b>HEALTH</b>	<b>3</b>
	16.1.2	<b>FLAMMABILITY</b>	<b>2</b>
	16.1.3	<b>PHYSICAL HAZARD</b>	<b>0</b>
	16.1.4	<b>PERSONAL PROTECTION</b>	See Section 8
16.2	<b>NFPA 704</b> (National Fire Protection Association):		
	16.2.1	<b>HEALTH</b>	<b>3</b>
	16.2.2	<b>FLAMMABILITY</b>	<b>2</b>
	16.2.3	<b>INSTABILITY</b>	<b>0</b>
	16.2.4	<b>SPECIAL</b>	<b>NONE</b>
			
16.3	<b>ANSI</b> (American National Standards Institute):		
	16.3.1	<b>Hazardous Industrial Chemicals - MSDSs-Preparation:</b>	Complies with <b>ANSI Z400.1 – 2004.</b>
	16.3.2	<b>Hazardous Industrial Chemicals - Precautionary Labeling:</b>	Complies with <b>ANSI Z129.1 – 2006.</b>

**Note: The information contained herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge and belief. NO WARRANTY OR GUARANTEE, express or implied, is made regarding the product performance, product stability, or as to any other condition of use, handling, transportation, and storage. Customer use, handling, transportation, and storage may involve additional safety and/or performance considerations. Our technical personnel will be happy to respond to questions regarding safe handling, storage, transportation, and use procedures. The safe handling, storage, transportation, and use procedures remain the sole responsibility of the customer. No suggestions for handling, storage, transportation, or use are intended as or to be construed as recommendations which may infringe on any existing patents or violate any Federal, State, and/or local law and/or regulation, ordinance, standard, etc. This Safety Data Sheet has been prepared by HASA, Inc. staff from test reports and other information available in the public domain.**