



HASA-CIDE

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-CIDE
Material Safety Data Sheet MSDS No.303

PRODUCT SPECIFICATIONS

Product Name:	HASA HASA-CIDE
Chemical Name and Molecular Formula (primary ingredient):	Poly [oxyethylene(diethyliminio) ethylene-(dimethyliminio)ethylene dichloride]
EPA Reg. Number:	10897-13
Chemical Family:	Polymeric quaternary ammonium compound
Synonyms:	QUAT, Liquid Algaecide
General Description:	Clear, brown solution with disinfectant odor.
Chemical Name and Molecular Formula (Secondary Ingredient=1% by weight):	N/A
General Description:	N/A
Chemical Family:	N/A

HAZARDOUS INGREDIENTS

Materials or Components:	None (contains no component listed at 29 CFR 1900.1000)
---------------------------------	---------------------------------------------------------

PHYSICAL PROPERTIES

Boiling Point/Range:	100°C (212°F)
Melting point:	N/A
Freezing Point:	N/A
Specific Gravity (H₂O=1):	1.15
Vapor Pressure (mmHg):	Same as water.
Vapor Density (Air=1):	Same as water.
Solubility in Water:	Miscible
% Volatiles by Volume:	46
Evaporation Ratio (Water=1):	1
Appearance and Odor:	Clear, brown liquid with slight disinfectant odor.

FIRE AND EXPLOSION DATA	
Flash Point	Greater than 100°C (212°F)
Test method:	N/A
Flammable Limits:	Nonflammable
Extinguishing Media:	Water Fog, CO ₂ , Dry Chemical
Special Fighting Procedures:	None
Unusual Fire and Explosion Hazard:	None

REACTIVITY DATA	
Stability:	Stable
Incompatibility:	N/A
Hazardous Decomposition Products:	N/A
Conditions to Avoid:	N/A

TOXICITY	
Eye:	Mildly irritating.
Dermal (Acute):	Not normally irritating.
Oral (Acute):	Harmful if swallowed.
Inhalation (Acute):	N/A
Chronic and Sub-Chronic:	N/A

HEALTH HAZARD INFORMATION	
Permissible Exposure Limit:	N/A
Skin Irritation:	N/A
Eye Irritation:	N/A
Corrosivity Skin:	N/A
Corrosivity Eye:	N/A
Sensitization:	N/A
Inhalation Effect:	N/A
Lung Effects:	N/A

EMERGENCY FIRST AID	
Note: Call Fire Dept. Paramedics, Emergency Ambulance Immediately.	
Ingestion:	Get Medical Attention.
Dermal:	Flush with water.
Eye Contact:	Flush with Plenty of water for 15 minutes. Get Medical Attention.
Inhalation:	N/A

SPECIAL PRECAUTIONS	
Precautionary Labeling:	Wash Thoroughly after Handling. Do not get in eyes or clothing.

SPILL OR LEAKAGE	
Steps to be taken if material is spilled or otherwise released:	Absorb with Sand or inert Material. Sweep or Scoop up and remove. Can absorb with sawdust.
Waste Disposal Method:	Dispose of in approved landfill.

SHIPPING	
DOT Shipping Name, Hazard Classification, and UN Number:	Disinfectant, N.O.S., UN For rate purposes, ship as Compound, water treating, liquid.
Placard Required:	None

SPECIAL PROTECTION INFORMATION	
Eye:	Safety Glasses
Other Protective Equipment:	None

CONTAINER DISPOSAL
Rinse empty container and place in trash for collection.

Please 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, expressed 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 Material Safety Data Sheet has been prepared by HASA, Inc. staff from test reports and other information available in the public domain.