

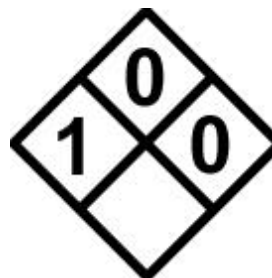


HASA STAIN-OUT

Material Safety Data Sheet

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HASA STAIN-OUT
Material Safety Data Sheet MSDS No. 304

IDENTIFICATION OF PRODUCT

Product Name:	Hasa Stain-Out
Common Chemical Names:	Proprietary Mixture
Chemical Family:	Sequestrant
Ingredients:	Contains no hazardous ingredients.

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not applicable.	Flash Point:	Not Known.
Weight/Gallon:	10 lbs 12 oz	pH:	6.5 – 7 (2.5% Solution)
Specific Gravity:	<1.4 @ 25° C (water = 1)	Odor:	Slight Ammonia
Bulk Density:	Not applicable.	Boiling Point:	108° C
Melting Point:	Not applicable.	Freezing Point:	No Data.
Physical State:	Liquid Solution	Color:	Clear amber liquid
Solubility:	Soluble	Stability:	Stable

FIRE AND EXPLOSION INFORMATION

Flash Point:	Not Known.	Auto Ignition Temperature:	Not Known.
Lower Explosion Limit:	(%) Not Applicable.	Upper Explosion Limit:	(%) Not Applicable.
Extinguishing Media:	Dry Chemical, Water, Alcohol Foam, CO2		
Special Fire Fighting Procedures:	Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.		
Unusual Fire and Explosion Hazards:	Products of combustion are toxic.		

HEALTH EFFECTS INFORMATION

Primary Routes of Entry:	Skin Contact, Eye Contact, Inhalation, Ingestion		
Effects of Overexposure:	No information found for this product. Based upon animal toxicity information, it is anticipated that direct or prolonged skin contact may cause skin or eye irritation.		
Overexposure May Aggravate Existing Conditions:	No effects indicated.		

Emergency and First Aid Procedures:	
Eyes:	Flush eyes with plenty of water for several minutes. Seek medical attention if irritation persists.
Skin:	Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation persists.
Ingestion:	If swallowed, give 3-4 glasses of water. Seek immediate medical attention.
Inhalation:	Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Chemicals listed as Carcinogen by:	
National Toxicology Program:	No
I.A.R.C. Monographs:	No
OSHA:	No

REACTIVITY INFORMATION	
Stability: Stable	Conditions to Avoid: None Known.
Hazardous Decomposition Products: Thermal decomposition may produce toxic organic vapors/fumes and oxides of carbon and nitrogen.	
Hazardous polymerization: Will not occur.	Conditions to Avoid: None Known.
Incompatibility (materials to avoid): Oxidizing agents	

SPILL AND DISPOSAL INFORMATION	
Steps to be Taken in Case Material is Released or Spilled:	Caution! Floors may become slippery. Wear appropriate protective equipment and MSHA/NIOSH approved respirator where mist or vapors of unknown concentrations may be generated (self contained breathing apparatus preferred). Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.
Waste Disposal Methods:	Dispose of in compliance with all Federal, state, and local laws and regulations. Incineration is the preferred method.

PERSONAL PROTECTION INFORMATION	
Ventilation Type:	In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.
Respiratory Protection:	Where mist or vapors are generated by the process a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.
Protective Gloves:	Rubber or neoprene, when needed, to prevent skin contact.
Eye Protection:	Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.
Other Protective Equipment:	Eyewash; safety shower; protective clothing (long sleeves, coveralls or other, as appropriate), when needed, to prevent skin contact.

STORAGE AND HANDLING	
Precautions for Storage and Handling:	Keep containers closed until used.

TOXICOLOGY INFORMATION

Oral LD₅₀ (rat):	10750 mg/kg
Eye irritation (rabbit):	0.1 ml instilled to the eye of the rabbits without rinsing was found to be minimally irritating (Draize score 0.8 at 24 hrs., post-dose) that cleared by day 7 post-dose (Draize score 0.0 after 7 days).
Skin irritation (rabbit):	0.5 ml applied to the skin and occluded for 24 hrs was found to cause well-defined to severe redness at 24 hrs., that subsided to barely perceptible at 72 hrs. (Primary irritation index = 2.3) (Moderate irritant).

MATERIAL CLASSIFICATION

OSHA Hazard Communication Standard, Department of Labor, Occupational Safety and Health Division, 29 CFR 1910.1200:	Irritant
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