

ALBEMARLE CORPORATION
 MATERIAL SAFETY DATA SHEET
 451 FLORIDA STREET, BATON ROUGE, LA 70801
 FOR EMERGENCIES ONLY - Phone (225) 344-7147

For Non-emergency Health & Safety Phone 1-800-535-3030
 Representing Albemarle Foreign Sales Corporation for Export Sales

HMIS CLASSIFICATIONS:
 HEALTH: 3
 FLAMMABILITY: 0
 REACTIVITY: 0

ISSUE DATE: 10/05/99
 SUPERSEDES: 09/08/99

97.5.51

PRODUCT IDENTIFICATION

PRODUCT NAME: STABROM 909 Biocide

CHEMICAL NAME: Proprietary

CAS NO.: Mixture - not applicable.

CHEMICAL FORMULA: Proprietary

CHEMICAL FAMILY: Proprietary

STABROM is a trademark of Albemarle Corporation.

SUMMARY OF HAZARDS

Causes burns to the skin and eyes.

OSHA HAZARDOUS COMPONENTS

CHEMICAL NAME	CAS NO.	NOTE	EXPOSURE LIMIT
Stabrom 909 Biocide	Proprietary		Not established by OSHA/ACGIH.

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OSHA HAZARDOUS COMPONENTS (Con't)

NOTE: Carcinogenicity listing of components at concentrations greater than or equal to 0.1% indicated by: @=NTP; #=IARC; &=OSHA; +=ACGIH; *=OTHER; ND=Not Designated.

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR: Yellow liquid/mild odor.

BOILING POINT: 101-102C/214-216F.

VAPOR PRESSURE: 19 mm Hg @ 25C/77F.

SOLUBILITY IN WATER: Miscible.

SPECIFIC GRAVITY: 1.3746 @ 25C/77F.

MOLECULAR WEIGHT: Proprietary

MELTING POINT: Not applicable.

FIRE AND EXPLOSION HAZARDS

FLASH POINT(METHOD): Not applicable.

FLAMMABLE LIMITS: Not applicable.

EXTINGUISHING MEDIA: None required.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid breathing fumes.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Include bromine and chlorine.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: High temperature/extreme heat.

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REACTIVITY DATA (Con't)

MATERIALS TO AVOID: Strong reducing agents, carbon steel, aluminum.

HAZARDOUS POLYMERIZATION: Will not occur.

HEALTH HAZARDS

INHALATION: Not expected to be toxic. Do not breathe fumes from fires or decomposition.

EYE CONTACT: Expected to cause burns.

SKIN CONTACT: Causes burns to the skin.

INGESTION: Not expected to be acutely toxic.

CHRONIC EFFECTS OF OVEREXPOSURE: None known.

EMERGENCY FIRST AID PROCEDURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.

INGESTION: If swallowed, give two glasses of water. Do not induce vomiting. Get medical attention.

EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS: Not established by OSHA/ACGIH.

EYE PROTECTION: Chemical goggles and a face shield.

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EXPOSURE CONTROL INFORMATION (Con't)

PROTECTIVE GLOVES: Resistant to chemical penetration.

RESPIRATORY PROTECTION: Full facepiece, NIOSH approved organic vapor respirator.

LOCAL EXHAUST VENTILATION: At source of mist or vapors.

MECHANICAL VENTILATION: Recommended.

OTHER: If skin contact or contamination of clothing is likely, protective clothing should be worn.

ENVIRONMENTAL PROTECTION

SPILLS OR LEAKS: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

DISPOSAL METHODS: Under the CERCLA/RCRA regulations currently in effect, this material is regulated as a hazardous waste or material. Therefore, it must be disposed of in a "permitted" hazardous waste facility in compliance with EPA and/or other applicable local, state, and federal regulations. It should be handled in a manner acceptable to good waste management practice. (RQ = 100 pounds for corrosivity).

STORAGE REQUIREMENTS: Store below 50C/122F.

REGULATORY INFORMATION

TSCA:

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).

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REGULATORY INFORMATION (Con't)

DOT DESCRIPTION/PROPER SHIPPING NAME:
CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S.
(HALOGENATED COMPLEX, SODIUM HYDROXIDE)
DOT HAZARD CLASS: 8 (CORROSIVE)
DOT ID NUMBER: UN3266
DOT PACKING GROUP: II

HAZARD CATEGORIES FOR SARA 311/312 REPORTING ARE INDICATED BELOW:

HEALTH	Immediate (Acute)	Yes
HEALTH	Delayed (Chronic)	No
PHYSICAL	Fire	No
PHYSICAL	Sudden Release of Pressure	No
PHYSICAL	Reactive	No
	Nuisance Mist/Dust Only	No

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MSDS prepared by: Health & Environment Department
Albemarle Corporation

FOR ADDITIONAL NONEMERGENCY PRODUCT INFORMATION, CONTACT:

HEALTH AND ENVIRONMENT DEPARTMENT
ALBEMARLE CORPORATION
451 FLORIDA ST.
BATON ROUGE, LA. 70801
(800) 535-3030

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THIS MATERIAL SAFETY DATA SHEET CONTAINS AT LEAST
THE INFORMATION REQUIRED BY THE FEDERAL OSHA HAZARD
COMMUNICATION RULE, 29 CFR 1910.1200(g) (2).

THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH
USER. THE USER SHOULD CONSIDER THE HEALTH HAZARDS AND SAFETY
INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE
THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO
INSTRUCT EMPLOYEES AND TO DEVELOP WORK PRACTICE PROCEDURES.
FOR A SAFE WORK ENVIRONMENT.

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR
KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, BECAUSE THE
CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE
MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR
DAMAGES INCURRED BY THE USE OF THIS MATERIAL. IT IS THE
RESPONSIBILITY OF THE USER TO COMPLY WITH ALL FEDERAL,
STATE, AND LOCAL LAWS AND REGULATIONS.