



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

ISSUE DATE: 04/05/06
SUPERSEDES: 02/25/03
HMIS CLASSIFICATIONS:
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

PRODUCT IDENTIFICATION

PRODUCT NAME: SAYTEX 8010 Flame Retardant
CHEMICAL NAME: 1,2-bis(2,3,4,5,6-pentabromophenyl)ethane;
Benzene, 1,1'-(1,2-ethanediyl)bis[2,3,4,5,6-pentabromo-]
CAS NO.: 84852-53-9
CHEMICAL FORMULA: Br10C14H4
CHEMICAL FAMILY: Brominated Aromatic
SAYTEX is a registered trademark of Albemarle Corporation.

SUMMARY OF HAZARDS

See 'Chronic Effects of Overexposure.'
Temperatures in excess of 320C/608F may liberate toxic gases.

COMPONENTS

Table with 4 columns: CHEMICAL NAME, CAS NO., NOTE, EXPOSURE LIMIT. Row 1: Benzene, 1,1'-(1,2-ethanediyl)bis[2,3,4,5,6-pentabromo-], 84852-53-9, ND, 2.0 mg/M3 as an 8-hr TWA (NCEL-EPA SNUR). See NOTE 1.

NOTE (1): The OSHA PEL for Particulates Not Otherwise Regulated is 15 mg/M3 (5 mg/M3 for respirable fraction). The ACGIH TLV for Particulates Not Otherwise Classified is 10 mg/M3 (5 mg/M3 for respirable fraction). These limits were developed for inert or nuisance dusts. Please review the Health Hazards section of this MSDS.

NOTE: Carcinogenicity listing of components at concentrations

99.0.35 - SAYTEX 8010 Flame Retardant

greater than or equal to 0.1% indicated by: @=NTP; #=IARC;
&=OSHA; +=ACGIH; *=OTHER; ND=Not Designated.

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CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE/ODOR: Off-white powder.
SPECIFIC GRAVITY: 3.25
MOLECULAR WEIGHT: 972.
MELTING POINT: 345C/653F.

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FIRE AND EXPLOSION HAZARDS

FLASH POINT(METHOD): Not applicable.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam
or carbon dioxide.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Include hydrogen
bromide, bromine and oxides of carbon.
SPECIAL FIRE FIGHTING PROCEDURES: High temperature may
liberate toxic gases. Do not breathe smoke or fumes.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

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REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: Temperatures in excess of 320C/608F.
MATERIALS TO AVOID: Strong acids and bases.
HAZARDOUS POLYMERIZATION: Will not occur.

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HEALTH HAZARDS

INHALATION: Not expected to be acutely toxic.
EYE CONTACT: Not expected to be an eye irritant.
SKIN CONTACT: Not expected to be acutely toxic. Not expected
to be a skin irritant.
INGESTION: Not expected to be acutely toxic.
CHRONIC EFFECTS OF OVEREXPOSURE: Based on toxicity data
available on structural analogues, the Environmental
Protection Agency has determined that this material may
cause cancer. Avoid dermal and inhalation exposure by
wearing personal protective equipment and respirator.
TOXICITY DATA: ORAL LD50 (rat): > 5000 mg/kg. DERMAL LD50
(rabbit): > 2000 mg/kg.

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EMERGENCY FIRST AID PROCEDURES

INHALATION: If inhaled, remove to fresh air.
EYE CONTACT: Begin immediate eye irrigation with cool water.
SKIN CONTACT: Wash contaminated areas with soap and water.
INGESTION: If swallowed, give two glasses of water.

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EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS: Not established by OSHA/ACGIH. Contact Albemarle for information on an EPA New Chemical Exposure Limit (NCEL) and the air monitoring requirements under the consent order.
EYE PROTECTION: Use chemical goggles or safety glasses.
SKIN PROTECTION: Use gloves tested to be impervious to this product's penetration. (Contact Albemarle for a list of materials tested.)
RESPIRATORY PROTECTION: Use NIOSH 21C air-purifying respirators equipped with a full facepiece and high efficiency particulate filters, or category 21C powered air-purifying respiratory equipped with a tight-fitting facepiece and high efficiency particulate filter (HEPA) cartridges.
MECHANICAL VENTILATION: Recommended.
LOCAL EXHAUST VENTILATION: At source of dust.
OTHER: If exposure is likely, the use of personal protective equipment and respirators are required.

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ENVIRONMENTAL PROTECTION

ENVIRONMENTAL HAZARD: This product may be toxic to aquatic organisms. Release of this product or any waste stream containing this product into U.S. waters is prohibited.
DISPOSAL METHODS: Under TSCA Section 5(e), this product cannot be released into U.S. Waters. Under the CERCLA/RCRA regulations currently in effect, this product is not regulated as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.
SPILLS OR LEAKS: Sweep or shovel spills into appropriate container for disposal.
STORAGE REQUIREMENTS: No special storage required.

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ADDITIONAL PRECAUTIONS OR COMMENTS

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REGULATORY INFORMATION

99.0.35 - SAYTEX 8010 Flame Retardant

TSCA:

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

THIS PRODUCT IS SUBJECT TO A SIGNIFICANT NEW USE RULE (SNUR) CODIFIED AT 40 CFR 721.536

DOT DESCRIPTION/PROPER SHIPPING NAME:

Not regulated for transportation.

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

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

===== ADDRESS CONTACT INFORMATION =====

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

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.

04/05/06