



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: 09/24/07
SUPERSEDES: 04/19/06
HMIS CLASSIFICATIONS:
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

=====
PRODUCT IDENTIFICATION

PRODUCT NAME: SAYTEX 102E Flame Retardant
CHEMICAL NAME: Decabromodiphenyloxide (DBDPO)
CAS NO.: 1163-19-5
CHEMICAL FORMULA: C12Br10O
CHEMICAL FAMILY: Brominated Aromatic Ether

SAYTEX is a registered trademark of Albemarle Corporation.

=====
SUMMARY OF HAZARDS

See ''Chronic Effects of Overexposure.'' Temperatures in excess of 260C/500F may liberate toxic gases.

=====
COMPONENTS

CHEMICAL NAME	CAS NO.	NOTE	EXPOSURE LIMIT
Decabromodiphenyl oxide	1163-19-5	ND	Not established by OSHA/ACGIH. AIHA WEEL established in 1981 5 mg/M3 TWA8.
Nonabromodiphenyl oxide	63936-56-1	ND	Not established by OSHA/ACGIH.

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: White powder/slight odor.

VAPOR PRESSURE: Not established.

SOLUBILITY IN WATER: Negligible.

SPECIFIC GRAVITY: 3.25

MELTING POINT: 300C/572F.

=====
FIRE AND EXPLOSION HAZARDS

FLASH POINT(METHOD): Not established.

FLAMMABLE LIMITS: Not established.

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.

=====
REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Temperatures above 260C/500F.

MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

=====
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: The National Toxicology Program concluded DBDPO showed "some evidence" of carcinogenicity in a lifetime feeding study in male and female rats based on an increased incidence of benign tumor-like changes (neoplastic nodules) in the liver. The relevance of these findings is questionable because of the excessive dose levels used (25,000 and 50,000 ppm in the diet). In Albemarle's opinion, these results indicate an ample margin of safety for production and use of DBDPO when exposures are kept below the AIHA WEEL (Workplace Environmental Exposure Level) of 5 mg/m3 TWA8.

TOXICITY DATA: ORAL LD50 (rat): >2,000 mg/kg.

=====
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.

=====
EXPOSURE CONTROL INFORMATION

EXPOSURE LIMITS: Not established by OSHA/ACGIH. AIHA WEEL established in 1981 is 5 mg/M3 TWA8.

EYE PROTECTION: Chemical goggles or safety glasses.

PROTECTIVE GLOVES: Resistant to chemical penetration.

RESPIRATORY PROTECTION: NIOSH approved dust/mist respirator.

MECHANICAL VENTILATION: Recommended.

LOCAL EXHAUST VENTILATION: At source of dust.

OTHER: If repeated or prolonged skin contact or

contamination of clothing is likely, protective clothing should be worn.

=====

ENVIRONMENTAL PROTECTION

SPILLS OR LEAKS: Sweep or shovel spills into appropriate container for disposal. Residue may be washed down with water. We strongly recommend disposal of residue be disposed of in a chemically secure landfill.

DISPOSAL METHODS: To the best of Albemarle's knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. 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. However, we strongly recommend disposal of this product in a chemically secure landfill.

STORAGE REQUIREMENTS: No special storage required.

=====

ADDITIONAL PRECAUTIONS OR COMMENTS

=====

REGULATORY INFORMATION

TSCA:

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

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

FOLLOWING ARE WHMIS CLASSIFICATIONS FOR THIS PRODUCT:

NOT CONTROLLED

WHMIS ASSESSMENT DATE: 09/21/07

COMPONENT NAME	CAS NO.	PERCENTAGE	REGULATION
Decabromodiphenyl oxide	1163-19-5	97.5	SARA 313 NJ RTK PA.RTK PA.RTK-E

=====
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.

09/24/07