

MERCURY CHEMICAL CORPORATION

MATERIAL SAFETY DATA

SECTION 1: PRODUCT IDENTIFICATION

Material Name (Trade Name): MercoFlame Block

Product Code #

Manufacturer: Mercury Chemical Corporation

Chemical Name: Flame Retardant

Chemical Family:

Emergency Telephone Numbers: (336)226-9152

MSDS Number: 001

Effective Date: 04/28/04

Revision #: 01

SECTION 2: INGREDIENTS

<u>Material/CAS</u>	<u>%</u>	<u>Health Hazard Data</u>
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(5-ethyl-2-methyl-1,3,2-dioxamphosphorinan-5-yl) methyl dimethyl phosphonate P-oxide	41203-81-0	> 10
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bis [(5-ethyl-2-methyl-1,3,2-dioxaphospharinan-5-yl) methyl] methyl phosphonate P2P1-dioxide	42595-45-9	> 10
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This product is manufactured not to contain a hazardous component as defined
In 29 CFR 1910.1200

EMERGENCY PHONE: (336)226-9152

Mercury Chemical Corporation , P.O. Box 2773, Burlington, NC 27216-2773

SECTION 3: PHYSICAL DATA

Boiling Point: N/A
Solubility in Water: Soluble
Vapor Pressure: N/A
Vapor Density: (Air=1): >1
% Volatile by Weight: N/A
pH: (_Neat_) : N/A
Appearance/Odor: Colorless to straw yellow viscous liquid,
Characteristic odor

SECTION 4: FIRE AND EXPLOSION DATA

Flash Point (F): 358F (Seta)
Flammable Limits (%): N/A
Extinguishing Media: Carbon dioxide, water fog, dry chemical,
chemical foam

Special Firefighting Procedures:

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Use water spray to cool drums exposed to fire. Secure footing is necessary.

Unusual Fire and Explosion Hazards: None known

SECTION 5: HEALTH HAZARD INFORMATION/FIRST AID

Toxicology: No components are listed as carcinogens.

Exposure Standards: None known

Signs and Symptoms of Exposure:

Contact with the eyes causes irritation and redness. Ingestion may cause headache, nausea and/or vomiting. Contact with skin may cause redness and irritation.

Repeated and/or prolonged exposure to low concentration of vapor may cause sore throat, eye irritation, nausea, faintness and/or headache.

Repeated and/or prolonged exposure at low levels may result in: NONE KNOWN

FIRST AID

Eye Contact:

Immediately flush eyes with copious quantities of water for a minimum of fifteen (15) minutes. Use fingers to separate eyelids to assure that the eyes are being irrigated. Call a physician.

Skin Contact:

Wash exposed skin with copious quantities of soapy water.

Inhalation:

There has been no clinical experience with overexposure via the respiratory route. If such exposure should occur, remove patient to fresh air. If breathing is impaired, assisted respiration (mouth to mouth) may be indicated. Supplemental oxygen may be indicated. Seek medical advice.

Ingestion:

If swallowed, call a physician immediately. Give 2 glasses of water. Do not induce vomiting. Remove stomach contents by gastric suction only as directed by medical personnel. Never give anything by mouth to an unconscious person.

SECTION 6: REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Keep away from heat and flames above 80 deg C

Incompatibility (Materials to Avoid): Strong oxidizers and strong acids. Do not use with other phosphorous compounds unless tested to determine decomposition toxicity.

Hazardous Decomposition or By-Products: In case of fires, oxides of carbon, hydrocarbons, fumes or vapors and smoke may be generated.

Hazardous Polymerization: Does not occur.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case material is released or spilled:

Stop the leak if possible. Absorb on non-reactive absorbent and collect in containers. Shut off or remove all ignition sources. Avoid skin contact. Wear protective clothing.

Waste Disposal Method:

Dispose in approved landfill. Comply with all federal, state and local regulations.

Precautions to be taken when handling and storing:

Store in unopened containers under cool and dry conditions. Do not store with, or close to strong bases.

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Keep container closed. Avoid prolonged breathing of vapors or mists. In poorly ventilated areas, masks of the cartridge type, National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors are recommended. Generally, respiratory protection is unnecessary provided there is adequate ventilation.

Eye Protection:

Chemical safety goggles

Other Protective Clothing and Equipment:

**Eye wash stations readily accessible
Safety shower
Long sleeved clothing**

Work and Hygienic Practices:

Wash at the end of each workshift and before eating, smoking or using the toilet. Change work clothing daily before leaving the work place.

SECTION 9: SPECIAL PRECAUTIONS & HANDLING INFORMATION

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat, sparks and flame. Keep container closed.

SECTION 10: REGULATORY INFORMATION

Federal EPA

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 requires notification to the National Response Center for release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
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SARA Title III: Superfund Amendments and Reauthorization Act of 1986 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
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SARA Title III: Superfund Amendments and Reauthorization Act of 1986 requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on reportable quantities (RQs) in 40 CFR 355.

Components present in this product at a level which could require reporting under this statute are:

<u>Material</u>	<u>CAS#</u>	<u>Concentration (%)</u>
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TSCA: Toxic Substances Control Act status: The ingredients of this product are on the TSCA inventory.

State Right-To-Know

CALIFORNIA Proposition 65 (reportable materials):

Material CAS# Concentration (%)

MASSACHUSETTS Right-To-Know, Substance Inventory (MSL) lists hazardous substances and extraordinarily hazardous substances which must be identified when present in products. (>+=0.0001%)

Components present in this product at a level which could require reporting under this statute are:

Extraordinarily Hazardous Substances

Material CAS# Concentration

Other Hazardous Substances

Material CAS# Concentration

PENNSYLVANIA Right-To-Know, Hazardous Substances Inventory lists hazardous substances and special hazardous substances which must be identified when present in products.

Components present in this product at a level which could require reporting under this statute are:

Material CAS# Concentration (%)

NEW JERSEY Worker and Community Right-To-Know Act Hazardous Substance Inventory lists hazardous components present in this product which could require reporting under this statute are:

Material CAS# Concentration (%)

SECTION 11: TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Fire retardant

DOT Exceptions and Additional Labels Required: None

Other Labeling Information: None

Reportable Quantity: N/A

Freight Class: 55

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