

Common Name: **MIREX**

Synonyms: Dechlorane; Ferriamicide

CAS No: 2385-85-5

 Molecular Formula: C<sub>10</sub>Cl<sub>12</sub>

RTK Substance No: 1306

Description: Odorless, white, crystalline solid

## HAZARD DATA

Hazard Rating	Firefighting	Reactivity
<b>2 - Health</b> <b>0 - Fire</b> <b>0 - Reactivity</b> DOT#: UN 2761 ERG Guide #: 151 Hazard Class: 6.1 (Poison)	Extinguish fire using an agent suitable for type of surrounding fire. <b>Mirex</b> itself does not burn. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Hydrogen Chloride</i> , <i>Chlorine</i> , <i>Phosgene</i> and <i>Carbon Tetrachloride</i> . Use water spray to keep fire-exposed containers cool.	<b>Mirex</b> reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); LITHIUM; and TERTIARY BUTYL ALCOHOL.

## SPILL/LEAKS

## Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and deposit into sealed containers.

**Mirex** does not degrade and will bioaccumulate.

## PHYSICAL PROPERTIES

<b>Odor Threshold:</b>	Odorless
<b>Flash Point:</b>	Noncombustible
<b>Vapor Pressure:</b>	8 x 10 <sup>-7</sup> mm Hg at 77°F (25°C)
<b>Water Solubility:</b>	Insoluble
<b>Boiling Point:</b>	905°F (485°C) Decomposes
<b>Molecular Weight:</b>	546

## EXPOSURE LIMITS

 No occupational exposure limits have been established for **Mirex**.

## PROTECTIVE EQUIPMENT

<b>Gloves:</b>	Silver Shield/4H® and Viton (>8-hr breakthrough for <i>Aromatic Halogen compounds</i> )
<b>Coveralls:</b>	DuPont Tychem® BR, LV, Responder® and TK; Kappler® Zytron® 500; and Saint-Gobain ONESuit®TEC (>8-hr breakthrough for <i>Aromatic Halogen compounds</i> )
<b>Respirator:</b>	Outside or Low Exposure - APR with Organic vapor/acid gas cartridges and High efficiency prefilters Inside or High Exposure - Supplied air

## HEALTH EFFECTS

<b>Eyes:</b>	Irritation
<b>Skin:</b>	Irritation, burns with rash and redness
<b>Inhalation:</b>	Nose and throat irritation Nausea, vomiting, headache, dizziness, weakness, convulsions and passing out
<b>Chronic:</b>	Cancer (lung and thyroid) in animals

## FIRST AID AND DECONTAMINATION

<b>Remove</b>	the person from exposure.
<b>Flush</b>	eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
<b>Quickly</b>	remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.
<b>Begin</b>	artificial respiration if breathing has stopped and CPR if necessary.
<b>Transfer</b>	promptly to a medical facility.