

Common Name: **PHENOTHRIN**

Synonyms: 3-Phenoxybenzyl(1R)-cis-trans-Chrysanthemate; Phenothrine; Sumitrin

CAS No: 26002-80-2

Molecular Formula: C<sub>23</sub>H<sub>26</sub>O<sub>3</sub>

RTK Substance No: 3727

Description: Pale yellow to yellow-brown liquid *Pyrethroid* insecticide

## HAZARD DATA

Hazard Rating	Firefighting	Reactivity
<b>2 - Health</b> <b>1 - Fire</b> <b>0 - Reactivity</b> <b>DOT#:</b> UN 2902 <b>ERG Guide #:</b> 151 <b>Hazard Class:</b> 6.1 (Poison)	<b>Phenothrin</b> does not burn, however, it is often dissolved in a liquid carrier that may be flammable or combustible. Use dry chemical, CO <sub>2</sub> , water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE.	<b>Phenothrin</b> is not compatible with STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE).

## SPILL/LEAKS

### Isolation Distance:

Spill: 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Absorb liquids in dry sand, earth, or a similar material and place into sealed containers for disposal.

DO NOT wash into sewer.

**Phenothrin** is very toxic to aquatic organisms.

## PHYSICAL PROPERTIES

<b>Flash Point:</b>	Combustible/Flammable
<b>Vapor Pressure:</b>	1.43 x 10 <sup>-7</sup> mm Hg at 70°F (21°C)
<b>Specific Gravity:</b>	1.06 (water = 1)
<b>Water Solubility:</b>	Insoluble
<b>Boiling Point:</b>	>554°F (>290°C)
<b>Molecular Weight:</b>	350.46

## EXPOSURE LIMITS

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

## PROTECTIVE EQUIPMENT

<b>Gloves:</b>	Butyl, Silver Shield®/4H and Barrier® (>1-hr breakthrough for <i>Esters</i> )
<b>Coveralls:</b>	Tychem® BR, CSM and TK (>8-hr breakthrough for <i>Esters</i> )
<b>Respirator:</b>	Spill - full facepiece APR with <i>Organic vapor</i> and <i>P100</i> cartridges Fire - SCBA

## HEALTH EFFECTS

<b>Eyes:</b>	Irritation and burns
<b>Skin:</b>	Irritation, burns, itching, rash and redness (skin absorbable)
<b>Inhalation:</b>	Nose, throat and lung irritation with coughing, wheezing and shortness of breath Headache, dizziness, fatigue, muscle weakness, nausea and vomiting

## FIRST AID AND DECONTAMINATION

**Remove** the person from exposure.

**Flush** eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

**Quickly** remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

**Begin** artificial respiration if breathing has stopped and CPR if necessary.

**Transfer** promptly to a medical facility.