

**Order Number**
**Customer Number**

## 1. Product and Company Identification

<b>Supplier</b>	Manufactured by EMD Biosciences, Inc. 10394 Pacific Center Court San Diego, CA 92121 (858)450-5558/(800)854-3417 FAX: (858)453-3552	<b>Catalog #</b>	218772
		<b>In Case of Emergency</b>	<b>Call Chemtrec® (800)424-9300 (within U.S.A.) (703)527-3887 (outside U.S.A.)</b>

**Product name**      Caspase Inhibitor Set II

## 2. Composition and Information on Ingredients

Ingredient Name	CAS No.	Product No.	EU Symbol	R-Phrases
Caspase-2 Inhibitor I		RC2350	-	-
Caspase Inhibitor III		RC2360	-	-
Caspase-1 Inhibitor VI		RC2370	-	-
Caspase-5 Inhibitor I		RC2380	-	-
Caspase-6 Inhibitor I		RC2390	-	-
Caspase-8 Inhibitor II		RC2400	-	-
Caspase-9 Inhibitor I		RC2410	-	-
Caspase-3 Inhibitor II		RC2420	-	-

**Note: See section 8 for occupational exposure limits and section 11 for LC50/LD50 information.**

## 3. Hazards Identification

**Primary Hazards and Critical Effects** : RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420      No specific hazard.

**Physical/Chemical hazards** :      Not applicable.

**Human Health Hazards** :      Not applicable.

**Environmental Hazards** :      Not applicable.

## 4. First Aid Measures

**Inhalation** : RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420      If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** : RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420      Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Skin Contact** : RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420      In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Eye Contact** : RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420      In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Notes to Medical Doctor** :      Not available.

## 5. Fire-Fighting Measures

<b>Extinguishing Media</b>	:	Use foam or all purpose dry chemicals to extinguish.
<b>Fire-Fighting Procedures</b>	:	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<b>Fire/Explosion Hazards</b>	:	Not applicable.
<b>Hazardous Decomposition Products</b>	:	These products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ...), halogenated compounds, hydrogen fluoride.

## 6. Accidental Release Measures

<b>Personal Precautions</b>	:	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
<b>Environmental Precautions and Clean-up Methods</b>	:	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

Note: See section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and Storage

<b>Handling</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Wash thoroughly after handling.
<b>Storage</b>	:		Keep container tightly closed. Keep container in a cool, well-ventilated area.
<b>Packaging Materials</b>	:		Use original container.

## 8. Exposure Controls and Personal Protection

### Occupational Exposure Limits

#### Ingredient Name

RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420

#### Occupational Exposure Limits

Not available.

<b>Engineering Controls</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	No special containment is required. Local exhaust ventilation should be provided.
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### Personal Protective Equipment

<b>Respiratory System</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Use an approved, properly fitted, HEPA filter cartridge respirator, or a respirator of greater protection if there is the potential to exceed the exposure limit(s).
<b>Skin and Body</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Work uniform or laboratory coat.
<b>Hands</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Use chemical resistant, impervious gloves. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits). Appropriate techniques should be used to remove potentially contaminated clothing.
<b>Eyes</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to dust.

## 9. Physical and Chemical Properties

### Kit Components

218744: 250 µg Caspase-2 Inhibitor I (RC2350)  
 218745: 250 µg Caspase Inhibitor III (RC2360)  
 218746: 250 µg Caspase-1 Inhibitor VI (RC2370)  
 218753: 250 µg Caspase-5 Inhibitor I (RC2380)  
 218757: 250 µg Caspase-6 Inhibitor I (RC2390)  
 218759: 250 µg Caspase-8 Inhibitor II (RC2400)  
 218761: 250 µg Caspase-9 Inhibitor I (RC2410)  
 264155: 250 µg Caspase-3 Inhibitor II (RC2420)

**Flash Point**

Not available.

**10. Stability and Reactivity**

<b>Stability</b>	:	RC2350, RC2360, RC2370, RC2380, The product is stable. RC2390, RC2400, RC2410, RC2420
<b>Conditions and Materials to Avoid</b>	:	Not available.
<b>Hazardous Decomposition Products</b>	:	RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420 These products are halogenated compounds, hydrogen fluoride.

**11. Toxicological Information****Toxicity Data**

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Not available.	Not available.	Not available.	Not available.

**Routes of Entry** : Not available.

**Acute Effects**

<b>Inhalation</b>	:	Not available.
<b>Ingestion</b>	:	Not available.
<b>Skin Contact</b>	:	Not available.
<b>Eye Contact</b>	:	Not available.

**Chronic Effects**

<b>Adverse Effects</b>	:	Not available.
<b>Target Organs</b>	:	Not available.
<b>Carcinogenic Effects</b>	:	Not available.
<b>Mutagenic Effects</b>	:	Not available.
<b>Developmental and Teratogenic Effects</b>	:	Not available.
<b>Reproductive Effects</b>	:	Not available.

**Other Information** : RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420  
Repeated or prolonged exposure is not known to aggravate medical condition.

**12. Ecological Information****Ecotoxicity Data**

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
RC2350, RC2360, RC2370, RC2380, RC2390, RC2400, RC2410, RC2420	Not available.	Not available.	Not available.

**13. Disposal Consideration**

**Waste Handling and Disposal** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**14. Transport Information****Air**

**IATA-DGR Class** : Not controlled under IATA.

**Packing Group**

## 15. Regulatory Information

### EU Regulations

<b>Hazard Symbol(s)</b>	:	-
<b>Risk Phrases</b>	:	This product is not classified according to the EU regulations.
<b>Safety Phrases</b>	:	Not applicable.

### US Regulations

<b>Haz-Com Standard</b>	:	Not controlled under the HCS (United States).
<b>EPA</b>	:	Not available.
<b>State</b>	:	Not available.

### Canadian Regulations

<b>WHMIS</b>	:	Not controlled under WHMIS (Canada).
<b>CEPA</b>	:	No products were found.
<b>Provincial</b>	:	No products were found.

## 16. Other Information

Validated by so2 on 12/3/2003.

<b>Version</b>	:	1.0
<b>Date of Printing</b>	:	12/15/2003.

### Notice to Reader

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