

**HI-POINT® 90 RED**

Product code - 260 0105

**1. Identification of substance and manufacturer.**

Trade name: Hi-Point® 90 Red

Chemical name: Methyl ethyl ketone peroxides

Manufacturer: Witco Corporation  
One American Lane  
Greenwich, CT 06831-2559  
USA

Phone number: (203) 552-2000  
Technical Service: (903) 938-5141  
Regulatory Information: (903) 938-5141

Emergency phone: (903) 938-5141  
(800) 424-9300 (CHEMTREC - in USA and Canada)

**2. Composition.**

Hazardous ingredients:	CAS#	%wt	TWA
Methyl ethyl ketone peroxides	1338-23-4	38±2	(Ceiling 1.5 mg/m <sup>3</sup> ) (≤9% Active oxygen)
Dimethyl phthalate	131-11-3	34±2	5 mg/m <sup>3</sup>
Non-hazardous ingredients:			
Proprietary safety diluent	-	28±2	No data available

**3. Hazards identification.**

May be harmful or fatal if swallowed.  
May cause an allergic reaction in some people.  
May be irritating or corrosive to the skin and/or eyes.

**4. First aid measures.****Immediate treatment:****Eye contact:**

Immediately flush with large amounts of water for at least 15 minutes. Call a physician.

**Skin contact:**

Remove contaminated clothing immediately.

Wash skin thoroughly with soap and water after handling. If irritation occurs, see a physician.

**Inhalation:**

Remove to fresh air. Consult a physician if discomfort persists.

**Ingestion:**

Call a physician immediately. DO NOT induce vomiting. Vomiting may cause aspiration into the lungs resulting in chemical pneumonia.

**NOTE TO PHYSICIANS**

**Routes of entry:** Eyes, skin, ingestion, inhalation of vapors.

**Target organs:** Eyes, skin, respiratory system.

**5. Fire fighting measures.**

**Special hazards and fire fighting procedures:**

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Other harmful gases and vapors may be formed in addition to the major combustion products of carbon dioxide and carbon monoxide. There is a potential for an explosive decomposition in a fire situation. Once ignited, this product will burn vigorously and with acceleration.

**Protective equipment:**

Firemen should wear protective clothing and an approved self-contained breathing apparatus to prevent breathing of vapors or products of combustion.

**Extinguishing media:**

Water fog, foam, CO<sub>2</sub>, dry chemical or sand/earth. Closed containers may be cooled with water.

**6. Accidental release measures.****Personal precautions:**

Avoid skin and eye contact. Provide for sufficient room ventilation.

**Environmental precautions:**

Prevent from entering sewer system or surface water.

**Procedures for spill clean-up:**

Shut off leak and dike up large spills. Absorb with an inert material such as sand, soil or vermiculite and wet with water. Sweep up with non-sparking equipment and place in double polyethylene bags for disposal. Dispose of waste in compliance with all regulatory requirements.

**7. Handling and storage.****Handling:**

Keep containers tightly closed to prevent contamination. Avoid skin or eye contact. Wear recommended personal protection equipment. Discard, or wash contaminated clothing before reuse.

**Storage:**

Regulated as an Organic Peroxide, Class 5.2, for storage and handling. Store in original containers away from incompatible materials (see "Section 10"), direct sunlight, flames and all sources of heat.

**Maximum storage temperature:** 38°C (100°F). In order to maintain the product's original manufactured assay in long term storage, a lower storage temperature of below 30°C (86°F) is strongly recommended.

**Shelf-life:** (calculated from half-life data in benzene solution)

Estimate >48 months at which 95% of the original manufactured assay remains when stored at or below 30°C (86°F)

**8. Exposure control/personal protection.****Ventilation required:**

Use adequate local exhaust to maintain below exposure limits in Section 2. Respiratory protection required when levels exceed limits.

**Respiratory protection:**

None required if area is adequately ventilated. Use appropriate respiratory protection in confined areas.

**Skin protection:**

Use neoprene type gloves and apron.

**Eye protection:**

Wear chemical safety goggles and/or a face shield. Contact lenses should not be worn.

**9. Physical and chemical properties.**

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**14. Transportation information.**

Regulated as an Organic Peroxide, class 5.2.

Bill of lading description: Organic peroxide type D, liquid (methyl ethyl ketone peroxides,  $\leq 45\%$ ) 5.2.  
UN 3105, PG II, RQ, ERG 145.**15. Regulatory information.****Chemical Inventory Information:**The known components in this product are listed in the following chemical inventories:  
TSCA (United States), DSL (Canada), EINECS (European Union), AICS (Australia).**SARA TITLE 3: SECTION 313 Information (40CFR 372)**

This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act, and 40 CFR Part 372:

Dimethyl phthalate

**16. Other information.****Health Note:** This product has not been tested in long term, chronic exposure, therefore, the handling procedures and safety precautions in the MSDS should be followed to minimize employee exposure.**EMERGENCY FIRST AID PROCEDURES****Eye contact:** Immediately flush with large quantities of water for at least 15 minutes, and then call a physician. May cause blindness.**Skin contact:** Wash skin thoroughly with soap and water. If irritation occurs, see a physician.**Inhalation:** Remove to fresh air. Consult a physician if discomfort persists.**Ingestion:** Administer large quantities of water if the person is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately call a physician.**Attention:** Do not store with food or drink. Keep out of reach of children. Never mix any promoter or accelerator with this product because a very rapid or explosive decomposition could occur. Do not use pressure to empty a container. Dispose of empty containers in compliance with all applicable federal, state, and local regulations.

Dust generated from the sanding or finishing of certain types of hardened resins can spontaneously combust if stored or disposed of improperly. Consult your resin manufacturer for proper dust storage and disposal.

**FOR INDUSTRIAL USE ONLY.****SEE TECHNICAL BULLETIN FOR DETAILED INFORMATION.**T. M. Pettijohn  
Director, R&DRevision date: December 15, 1998  
(Supersedes: 05/10/96)

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<u>Physical state at 25°C:</u>	Liquid
<u>Color:</u>	Dyed red
<u>Odor:</u>	Characteristic
<u>Boiling point at 1 bar:</u>	(decomposes above ca. 68°C)
<u>Freezing point:</u>	Not determined
<u>Specific gravity at 25°C:</u>	1.072
<u>Vapor pressure at 20°C (mm Hg):</u>	Not determined
<u>Vapor density (air = 1):</u>	Not determined
<u>Viscosity at 25°C:</u>	15 centistokes
<u>Solubility in H<sub>2</sub>O at 20°C:</u>	<1%wt
<u>pH:</u>	Not applicable
<u>Flash point (Setaflash closed cup):</u>	82°C
<u>Autoignition temperature:</u>	Not determined
<u>Flammability limits in air:</u>	Not determined
<u>SADT (Self Accelerating Decomposition Temperature):</u>	70°C/40# pkg

**10. Stability and reactivity.**

This product is stable when stored at, or below, the recommended maximum temperature. It is not subject to hazardous polymerization.

Hazardous decomposition products:

Hydrocarbons and oxides of carbon, and carbon monoxide/dioxide gases formed from burning.

Incompatible materials:

Strong acids, reducing agents, accelerators, promoters, or any other reactive chemicals.

Conditions to avoid:

Contamination with any foreign substance or exposure to heat or direct sunlight.

**11. Toxicological information.**Acute toxicity (lethal doses):

LD <sub>50</sub> oral, rat:	1,017 mg/kg
LD <sub>50</sub> dermal, rabbit:	4,000 mg/kg
LC <sub>50</sub> inhalation, mouse:	17 mg/l (4 hr. exposure)

Acute toxicity (irritation, sensitization, etc.): No known irritant or sensitizing effects.

Skin irritation, rabbit: No data available

Eye irritation, rabbit: Corrosive

Chronic toxicity: No data available.

**12. Ecological information.**

This product is stable in water, and can be mechanically separated from water. The water can be disposed of in a biological water treatment plant.

**13. Disposal considerations.**

Dispose of waste material in compliance with all applicable federal, state, and local regulations. Hazardous waste number D003, characteristic of reactivity (see 40CFR 261.23).