



HI-POINT® 90 RED

Version: 1.1
DATE OF ISSUE: 11/04/2005
Date printed: 12/14/2005

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : HI-POINT® 90 RED

Chemical name: Methyl ethyl ketone peroxides

Use of substance/preparation: No specific information.

Supplier: Crompton Manufacturing Co., a Chemtura Company
Chemtura Corporation (Worldwide HQ)
199 Benson Road
Middlebury, CT 06749 USA

Emergency telephone number Chemtura Corporation Emergency Response
903-938-5141
CHEMTREC (24 hours) 800-424-9300
For additional emergency telephone numbers
see section 16 of the Safety Data Sheet.

Environmental, Health and Safety Department: 866-430-2775

Customer Service: 877-948-2660

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Methyl ethyl ketone peroxides CAS# 1338-23-4	36 - 40
(% Active Oxygen) CAS# -	< 9
Dimethyl phthalate CAS# 131-11-3	32 - 36
Proprietary safety diluent CAS# Trade secret	26 - 30
Methyl ethyl ketone CAS# 78-93-3	0.1 - 1
Hydrogen peroxide 35% CAS# 7722-84-1	0.1 - 1.5
C.I. Solvent Red 164 CAS# 70879-65-1	0.2 - 0.3



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Xylene
CAS# 1330-20-7

0.01 - 0.1

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

MAY BE HARMFUL OR FATAL IF SWALLOWED.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE IRRITATING OR CORROSIVE TO THE SKIN AND/OR EYES.
COMBUSTIBLE LIQUID
OXIDIZING MATERIAL

4. FIRST AID MEASURES

Swallowing

Obtain medical attention., If patient is fully conscious, rinse mouth with water., Give water to drink., Drink water in small sips. (Diluting effect), Never give anything by mouth to an unconscious person., Vomiting may cause aspiration into the lungs resulting in chemical pneumonia.

Skin contact

Remove contaminated clothing., Wash skin with soap and water., If irritation persists or if contact has been prolonged, obtain medical attention.

Inhalation

Remove to fresh air., If exposure is severe, hospitalize and observe., If breathing has stopped, give artificial respiration.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes., Obtain medical attention immediately., May cause blindness.

Notes to physician

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation, mist., TARGET ORGANS: Eyes, skin, respiratory system.

5. FIRE-FIGHTING MEASURES

Flash point: 176 °F 80 °C
Flammable limits
Lower limit: Not available
Upper limit: Not available



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Autoignition temperature: Not available

NFPA CLASSIFICATION

Health: 3	Flammability: 2	Reactivity: 2	Special provisions:
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Hazardous combustion products

Carbon monoxide.
Carbon dioxide.
Hydrocarbons.

Special fire fighting procedures

Evacuate all personnel from danger area.
Use water spray to cool fire-exposed containers and structures.

Special protective equipment for firefighters

Body covering protective clothing.
Self-contained breathing apparatus.

Extinguishing media

Suitable:

- water fog
- foam
- CO2
- dry chemical
- dry sand

Unusual fire and explosion hazards

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with eyes and skin., Avoid contact with liquid and vapors., Provide sufficient ventilation.

Environmental precautions

Avoid runoff to sewers or waterways., This product has limited solubility in water.

Methods for cleaning up

Stop the leak if it can be done without risk.
Dike to contain spill.
Absorb on inert material such as sand, earth, vermiculite.
Cover by foam or wet with small quantities of water.
Sweep up using non-sparking equipment.
Collect in a suitable container for disposal.
Storage material: Polypropylene, polyethylene



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Dispose of waste material in compliance with all federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Keep containers tightly closed to prevent contamination., Avoid contact with eyes, skin and clothing., Do not eat, drink or smoke when handling., Wear recommended personal protection equipment., Remove contaminated clothing and wash before reuse., Use spark-proof tools and explosion-proof equipment.

Other precautions

Store containers in a well-ventilated area. Open them cautiously, in case they may be under slight pressure. Have good ventilation and suitable protective equipment in areas where containers will be opened., Keep away from heat, sparks and flame., Do not expose to direct sunlight.

STORAGE

Storage requirements

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

Further information on storage

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 CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Table with 5 columns: Component, Country, Type, Value, Remark. Rows include Methyl ethyl ketone peroxides, Dimethyl phthalate, Methyl ethyl ketone, Hydrogen peroxide 35%, and Xylene.



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		OSHA		
		TWA, ACGIH	100 ppm	IARC 2B
		STEL, ACGIH	125 ppm	

No other exposure limits have been established

PERSONAL PROTECTION

Respiratory protection

None required in normal use., Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Hand protection / protective gloves

Neoprene type gloves.

Eye protection

Wear suitable eye protection., Faceshield, Safety goggles., Contact lenses should not be worn.

Skin protection

Wear protective clothing., Apron/boots of neoprene if risk of splashing

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state Liquid
Color Dyed Red

OTHER PROPERTIES

Specific gravity (H2O=1) 1.072 at 25 °C

Flash point 176 °F
 80 °C
 Method: Setaflash closed cup ASTM D 3828

Autoignition temperature Not available

Upper explosion limits Not available

Lower explosion limits Not available

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Percent volatiles	< 3.0 %(m)
Kinematic viscosity	15 cSt at 25 °C

10. STABILITY AND REACTIVITY

Stability: This product is stable only when stored at, or below, the recommended maximum temperature., (see section 7)

SADT

Value: 70 °C

Remark: 40# Package

Stability - Conditions to avoid

Contamination with ANY foreign substance,

Exposure to heat.

Protect from direct sunlight.

Incompatible materials

Promoters

Accelerators

Reducing agents.

Strong acids.

Other reactive chemicals

Hazardous combustion products

Carbon monoxide.

Carbon dioxide.

Hydrocarbons.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING**Acute effects**

Harmful or fatal if swallowed.

Test results**Acute toxicity:**

Test substance: 9% AO MEKP

LD50 Rat

Result: 1,017 mg/kg

SKIN ABSORPTION**Acute effects**

May cause eye and skin irritation.



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Test results

Acute toxicity: Test substance: 9% AO MEKP
LD50 - Rabbit
Result: 4,000 mg/kg

INHALATION

Acute effects

May be harmful by inhalation.

Test results

Acute toxicity: Test substance: 9% AO MEKP
LC50 - Mouse
Result: 17 mg/l
Exposure time: 4 h

SKIN CONTACT

Acute effects

May cause allergic skin reaction.

Test results

Skin irritation: Species: Rabbit
Result: No data available.

EYE CONTACT

Acute effects

May cause chemical burns of the eye.

Test results

Eye irritation: Species: Rabbit
Result: Corrosive.

12. ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

13. DISPOSAL CONSIDERATIONS

General: Burn in compliance with operative regulations in a hazardous waste incinerator.

US waste

Dispose of waste material in compliance with all federal, state, and local regulations., Hazardous waste ID number U160 & U102 (MEKP & DMP), see 40CFR261.33(f)



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14. TRANSPORT INFORMATION

DOT Classification

Proper shipping name: ORGANIC PEROXIDE TYPE D, LIQUID (METHYL ETHYL KETONE PEROXIDES, =<45%)
Class: 5.2
UN ID #: UN3105
Packing group: II
Technical description: METHYL ETHYL KETONE PEROXIDES, =<45%

IMDG Classification

Proper shipping name: ORGANIC PEROXIDE TYPE D, LIQUID
Class: 5.2
UN ID #: UN 3105
Packing group: II
Technical description: (METHYL ETHYL KETONE PEROXIDES, =<45%)

ICAO Classification

Proper shipping name: ORGANIC PEROXIDE TYPE D, LIQUID
Class: 5.2
UN ID #: UN 3105
Packing group: II
Technical description: (METHYL ETHYL KETONE PEROXIDES, =<45%)

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

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

Chemical name	CAS#	Max weight %
Dimethyl phthalate	131-11-3	32.00 - 36.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
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MATERIAL SAFETY DATA SHEET

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Methyl ethyl ketone peroxides	1338-23-4	
Dimethyl phthalate	131-11-3	
Proprietary safety diluent	Trade secret	136411-5587P

CHEMICAL INVENTORY

Canada: The ingredients of this product are on the DSL.
Europe: The ingredients of this mixture are on the EINECS inventory.
United States: The ingredients of this product are on the TSCA inventory.
Australia: The ingredients of this product are on the AICS inventory.

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS 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.

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

Emergency Telephone Numbers

Latin America:	All	+44 (0)208 762 8322
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HMIS RATING

Health: 3	Flammability: 2	Reactivity: 2	PPI:
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STP	Standard temperature and pressure
W/W	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.