

PN 61193 Perry

WITCO MATERIAL SAFETY DATA SHEET

HI-POINT(R) 90

MEKP

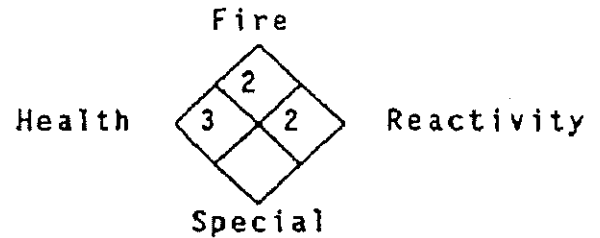
PAGE 1

Product Code: 260 0104

CAS NO:1338-23-4

NFPA HAZARD RATING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant



DIVISION AND LOCATION---SECTION I

Division: POLYMER ADDITIVES GROUP

Location: MARSHALL, TEXAS

P.O. BOX 1439, HWY 59 & BUSSEY RD, MARSHALL, TX, 75671

Emergency Telephone Number: (903) 938-5141 or Chemtrec (800) 424-9300

Transportation Emergency: CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name:

methyl ethyl ketone peroxide

Formula: not applicable

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning.

Incompatibility (Keep away from):

strong acids, bases, promoters, accelerators, readily oxidizables, and metal salts.

Toxic and Hazardous Ingredients:

methyl ethyl ketone peroxide

38 +/-2

CAS # 1338-23-4

(9% active oxygen max.)

dimethylphthalate

47 +/-2

131-11-3

Form: liquid

Odor: slightly pungent

Appearance: clear

Color: water-white

Specific Gravity (water=1): 1.11

Boiling Point: no data available, decomposes over 68°C (155°F)

Melting Point: not applicable

Solubility in Water (by weight %): less than 1 at 25°C

Volatile (by weight %): less than 3

Evaporation Rate: not applicable

Vapor Pressure (mm Hg at 20°C): not applicable

Vapor Density (air=1): not applicable

pH (as is): no data available

Stability: Product is stable when stored at recommended temperatures

Viscosity SUS at 100°F: 101 SUS; 15-16 centistokes at 25°C (77°F)

Other physical properties:

self accelerating decomposition temperature (SADT): 4 gal: 71°C (160°F)

1 gal: 75°C (166°F)

(Continued on next page)

**WITCO MATERIAL SAFETY DATA SHEET**

HI-POINT(R) 90

PAGE 2

Product Code: 260 0104**FIRE AND EXPLOSION DATA---SECTION III****Special Fire Fighting Procedures:**

Fight fire with large amounts of water from a safe distance. Keep containers cool with water spray. After a fire, wait until material has cooled to room temperature before starting clean-up. Wear protective equipment to prevent smoke inhalation.

**Unusual Fire and Explosion Hazards:**

Potential explosion hazards. Once ignited, product will burn vigorously.

**Flashpoint:** (Method Used) Setaflash closed tester 82°C (180°F)

**Flammable limits %:** not applicable

**Extinguishing agents:**

Waterspray or Waterfog or CO<sub>2</sub> or Foam

Closed containers exposed to fire may be cooled with water.

**HEALTH HAZARD DATA---SECTION IV****Permissible concentrations (air):**

methyl ethyl ketone peroxide: 0.7 ppm, 5 mg/m<sup>3</sup> ceiling (OSHA); 0.2 ppm, 1.5 mg/m<sup>3</sup> ceiling (ACGIH)

dimethylphthalate: 5 mg/m<sup>3</sup> (OSHA/ACGIH)

**Chronic effects of overexposure:**

Specific symptoms and effects of over exposure not known, but will cause severe eye irritation; may cause blindness. Harmful if inhaled. Harmful or fatal if swallowed. Moderate skin irritant.

**Acute toxicological properties:**

for methyl ethyl ketone peroxide: acute oral LD<sub>50</sub> = 1017 mg/kg (rat); eye (rabbit) severe irritant/corrosive

**Emergency First Aid Procedures:**

**Eyes:** Immediately flush with large quantities of water on site for 20 to 30 minutes. Hold eyes open while flushing. Call a physician. Continue water flush up to one hour during transport to a medical facility.

**Skin Contact:** Wash with soap and water. If irritation occurs, see a physician.

**Inhalation:** Remove to fresh air. Consult a physician if discomfort persists.

**If Swallowed:** Administer large quantities of water if person is conscious. Never give anything by mouth to an unconscious person. Immediately contact a physician.

**ROUTES OF ENTRY:**

Inhalation, skin/eye contact, ingestion

**SPECIAL PROTECTION INFORMATION---SECTION V****Ventilation Type Required (Local, mechanical, special):**

Local if necessary to maintain allowable PEL(permissible exposure limit) or TLV(threshold limit value)

**Respiratory Protection (Specify type):**

Use NIOSH/MSHA certified respirator with organic vapor cartridge if vapor

(Continued on next page)

## W I T C O M A T E R I A L S A F E T Y D A T A S H E E T

HI-POINT(R) 90

PAGE 3

Product Code: 260 0104

(Section V continued)

concentration exceeds permissible exposure limit

Protective Gloves:

neoprene type

Eye Protection:

chemical safety goggles

Other Protective Equipment:

as required to protect against skin contact

## =====

## HANDLING OF SPILLS OR LEAKS---SECTION VI

Procedures for Clean-Up:

Use appropriate protective clothing during clean-up.

Absorb spills with inert material such as perlite, vermiculite, or sand and then wet with water. Sweep up using non-sparking equipment and place in double polyethylene bags. Isolate leakers and contaminated containers to a safe place for disposal.

Waste Disposal:

Dispose of in accordance with all applicable federal, state and local regulations.

Dispose of waste at EPA-approved hazardous waste disposal facilities.

## =====

## SPECIAL PRECAUTIONS---SECTION VII

Precautions to be taken in handling and storage:

Store in original containers away from promoters and combustible material. Keep away from acids, heat, sparks, flames and direct sunlight. Keep closed to avoid contamination. Isolated storage is desirable.

Maximum Storage Temperature: 38°C (100°F)

## =====

## TRANSPORTATION DATA---SECTION VIII

D.O.T.: RegulatedU.S. D.O.T. Proper Shipping Name: Organic peroxide Type D, liquid (methyl ethyl ketone peroxides, <45%), 5.2, UN 3105, PG II, RQ, ERG 48, HI-Point 90U.S. D.O.T. Hazard Class: Organic PeroxideI.D. Number: UN 3105Label(s) Required: Organic PeroxideReportable Quantity: 10 LB/4.54 KG (for 2-butanone peroxide (or methyl ethyl ketone peroxide))Freight Classification: Chemicals, NOI, N.F.M.C. Item 43940 Sub 2Special Transportation Notes:

none

(Continued on next page)

## W I T C O M A T E R I A L S A F E T Y D A T A S H E E T

HI-POINT(R) 90

PAGE 4

Product Code: 260 0104

## ENVIRONMENTAL/SAFETY REGULATIONS---SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):

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 of 1986 and 40 CFR Part 372 (the corresponding CAS number and percent by weight are also provided):

dimethyl phthalate CAS# 131-11-3 47%  
methyl ethyl ketone CAS# 78-93-3 2%

## COMMENTS

Never mix any promoter or accelerator with product as very rapid or explosive decomposition could occur. Do not store with food or drink.

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.

## \*\*\* STATE RIGHT-TO-KNOW SUBSTANCES \*\*\*

CAS NUMBER	CHEMICAL NAME
131-11-3	Dimethyl phthalate
7722-84-1	Hydrogen peroxide
78-93-3	Methyl ethyl ketone
1338-23-4	Methyl ethyl ketone peroxide

Trade Secret Registry Numbers:

NJ 136411-5146P  
PA RTK Withheld

Prepared by: Roger N. LewisTitle: R & D Director/Organic PeroxidesOriginal Date: \_\_\_\_\_ Sent to: \_\_\_\_\_Revision Date: 04/19/96Supersedes : 08/02/93Date Sent : \_\_\_\_\_

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.