

NOROX MEKP-9

MSDS—(Part B)

SECTION I—GENERAL INFORMATION

MANUFACTURER	The Norac Company, Inc.	EMERGENCY TELEPHONE	(626) 334-2908
ADDRESS	405 S. Motor Ave., Azusa CA 91702	CHEMTREC	1/800/424-9300
PRODUCT NAME	Norox MEKP-9	CAS NO.	See Section II
CHEMICAL NAME	Methyl Ethyl Ketone Peroxide (MEKP)		
CHEMICAL FAMILY	Organic Peroxide	FORMULA	Mixture of

SECTION II—HAZARDOUS INGREDIENTS

<u>COMPONENTS</u>	<u>CAS NO.</u>	<u>%</u>	<u>HAZARD DATA</u>
Methyl Ethyl Ketone Peroxide	1338-23-4	34	Oral—Rat LD ₅₀ : 484 mg/kg
Dimethyl Phthalate	131-11-3	43	Oral—Rat LD ₅₀ : 6900 mg/kg
Proprietary Phlegmatizer		20	Oral—Rat LD ₅₀ : >3200 mg/kg
Hydrogen Peroxide	7722-84-1	01	Skin—Rat LD ₅₀ : 4060 mg/kg

SECTION III—PHYSICAL DATA

BOILING POINT °F	Unknown	SPECIFIC GRAVITY (Water-1)	1.1
VAPOR PRESSURE mm Hg.	Unknown	%VOLATILE BY VOLUME	Unknown
VAPOR DENSITY (Air=1)	> 1	EVAPORATION RATE	Unknown
SOLUBILITY IN WATER	Slight		
APPEARANCE AND ODOR	Water white liquid with a slight odor.		

SECTION IV—HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	1.5 mg/m ³ For Methyl Ethyl Ketone Peroxides
ROUTES OF EXPOSURE	
Skin Absorption	Severe skin irritant, causes redness, blistering, and edema.
Eye Contact	Eye contact causes severe corrosion and may cause blindness.
Ingestion	Human systemic effects by ingestion; changes in structure or function of esophagus, nausea, or vomiting, and other gastrointestinal effects.
Inhalation	Moderately toxic by inhalation.
EFFECTS OF OVER EXPOSURE	Prolonged inhalation of vapors may cause mucous membrane irritation and vertigo. There are no known medical conditions which are recognized as being aggravated by exposure.
EMERGENCY AND FIRST AID PROCEDURES	
Skin	Wash contaminated area thoroughly with soap and water.
Eyes	Flush eyes with water for 30 minutes and seek medical attention.
Ingestion	Take large quantities of milk or water and immediately call a physician. For aid to

SECTION V—REACTIVITY DATA

INCOMPATIBILITY (Materials to avoid)	Dimethylaniline, cobalt naphenate and other promoters, accelerators, reducing agents, or any hot material.
STABILITY	Stable when kept in original, closed container, out of direct sunlight at temperatures below 80° F.
HAZARDOUS DECOMPOSITION PRODUCTS	Acrid smoke and irritating fumes.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION VI—SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	None
VENTILATION	Mechanical, general.
EYE PROTECTION	Safety goggles recommended. A permanent eye wash is highly recommended.
HAND PROTECTION	Protective gloves recommended (solvent resistant).
OTHER	A safety shower is recommended when the risk of a significant exposure exists

SECTION VII—FIRE AND EXPLOSION DATA

FLASH POINT: (C.O.C.) >200° F	(Method Used)	FLAMMABLE LIMITS: Unknown
EXTINGUISHING MEDIA	Water from a safe distance-preferable with a fog nozzle. In case of very small fires, other means such as carbon dioxide, foam or dry chemical extinguishers may be effective. Dry chemical combined with MEKP-9 fires.	
SPECIAL FIRE FIGHTING PROCEDURES	Firemen should be equipped with protective clothing and SCBA's. In case of fire near storage area, cool the containers with water spray. If dry chemicals is used to extinguish an MEKP-9 fire, the extinguished area must be thoroughly wetted down with water to prevent re-ignition.	
UNUSUAL FIRE AND EXPLOSION HAZARDS	The heat of decomposition of the peroxides adds to the heat of the fire. Dry chemical Fire extinguishing agent may catalyze the decomposition	

SECTION VIII—SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE	Dike to prevent runoff from entering drains, sewers, streams, etc. and transfer into containers. Spilled material should be swept up with an inert, moist diluent such as perlite, vermiculite, or sand, and placed in a clean polyethylene lined drum or a polyethylene drum.
WASTE DISPOSAL METHOD	Immediately dispose of waste material in accordance with federal, state and local regulations.

SECTION IX—SPECIAL PRECAUTIONS

HANDLING AND STORING	Keep containers closed to prevent contamination. Rotate stock using the oldest material first. Storage at or below 80° F is required to ensure product safety. Prolonged storage at elevated temperatures will result in product degradation. Cooler storage is recommended for longer shelf life.
OTHER PRECAUTIONS	MEKP-9 should never be added to hot solvents or monomers as a violent decomposition and/or reaction may result. When using spray equipment, never spray raw MEKP-9 onto curing or into raw resin or flues. Keep MEKP-9 in its original container. <u>DO NOT STORE WITH FOOD OR DRINK. DO NOT USE</u>

SECTION X—REGULATORY INFORMATION

The following chemicals are 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.

Chemical Name	CAS Number	Percent
Dimethyl Phthalate	131-11-3	43
Methyl Ethyl Ketone	78-93-3	02

VOC Information

Using ASTM Test Method D-2369-87, but at 40°C (since MEKP decomposes rapidly above 100°C and is not a VOC), MEKP-9 contains 2.4% VOC, by weight, or 27 grams per liter. For more information call Norac.

TSCA Status

1. See CCR Title 8 Section 5461, NFPA 432, and UFC (91) Sec. 80.307.
2. See NFPA 14-3

The ingredients in this product are listed in the US Toxic Substances Control Act (TSCA) Inventory.

Status of Carcinogenicity

Not recognized as a carcinogen by the IARC, NTP or OSHA.

NFPA 704 Rating

Health

3

Flammability

2

Reactivity

2

SECTION XI—SHIPPING DESCRIPTION

ORGANIC PEROXIDE TYPE D, LIQUID
(METHYL ETHYL DETONE PEROXIDE, <45%)
CLASS 5.2, UN3105, PG II, RQ

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