

MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | MP 100

PRODUCT CODE | 1058

ISSUE DATE | 12-01-2011

EMERGENCY TELEPHONE NUMBERS

DISTRIBUTOR
STREET ADDRESS
CITY, STATE, ZIP

Quality Chemicals
110 Hamilton Ave.
Merchantville, NJ 08109

Transportation: (800) 424-9300 *
* For spill, leak, fire or transport accident emergencies.
Product Information: (856) 662-1895

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Sodium metasilicate	6834-92-0	50 to 60	None	None	None
Sodium tripolyphosphate	7758-29-4	20 to 30	None	None	None
Sodium Bicarbonate	144-55-8	10 to 20	None	None	None

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Causes severe burns. Harmful or fatal if swallowed.
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POTENTIAL HEALTH EFFECTS	
INGESTION	Corrosive and causes severe and permanent damage to mouth, throat and stomach. May be fatal if swallowed.
INHALATION	Inhalation of dust may cause toxic effects.
EYE CONTACT	Severely Corrosiv to the eyes, and may cause permanent damage, including blindness.
SKIN CONTACT	Corrosive, causes severe skin burns. Harmful contact may cause immediate pain.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	If exposed to excessive levels of dust, remove to fresh air and get medical attention if cough or other symptoms develop.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Flush skin with plenty of water. Remove contaminated clothing. Continue to flush skin with water for at least 15 minutes. Get Immediate Medical Attention. Launder clothing before reuse. Discard shoes.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide, dry chemical or water.		
SPECIAL FIRE FIGHTING PROCEDURES	None		
FIRE AND EXPLOSION HAZARDS	None		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Sweep up and place in a disposal container. Mop up or flush residue to drain with water. Wear personnel protective equipment safety goggles, rubber apron, rubber shoes, and rubber gloves.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Remove and launder contaminated clothing before re-use. Note to Service Person. DO NOT EXCEED TEMPERATURES OF 140 - 150°F MAXIMUM FOR WATER INJECTED INTO CANNISTER. HIGHER TEMPERATURES CAN CAUSE VIOLENT REACTION.
STORAGE PRECAUTIONS	Store in a cool dry place.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Normal procedures for good hygiene. Avoid breathing product dusts. Avoid contact with use solutions, as these may also be hazardous.
ENGINEERING CONTROLS	No special ventilation requirements.

PERSONAL PROTECTIVE EQUIPMENT

X	RESPIRATOR	Not normally necessary, needed for cleaning spills (NIOSH approved).
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
X	APRON	Required for cleaning spills.
X	GLOVES	Required; PVC, Neoprene or Nitrile acceptable
X	BOOTS	Wear rubber boots for cleaning spills.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White powder	BOILING POINT	Not applicable
ODOR	None	FREEZING POINT	Not applicable
pH	11.7 to 12.0 (1.0% sol'n)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	N.A.	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Appreciable	EVAPORATION RATE	Not applicable

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	Do not exceed temperatures of 140 to 150°F maximum for water temperatures injected into cannister. Higher temperatures can cause violent reaction.					
INCOMPATIBILITY	Contact with mineral acids produces exothermic reaction with release of carbon dioxide gas.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	None					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Dispose of contaminated product, empty containers, and materials used in cleaning up spills in a manner approved for this material. Consult appropriate Federal, State, and Local agencies to ascertain proper disposal procedures. Solutions of this product may exceed a pH of 12.5 requiring disposal at a hazardous waste management facility.								
RCRA CLASSIFICATION	Corrosive D002 (For Solutions exceeding or equal to a pH of 12.5)								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION	Corrosive solid, n.o.s. (Sodium Metasilicate, Anhydrous), 8, UN 1759, PG II					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
X	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

3	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
1	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Quality Chemical Company, in connection with the use of this information.