

MARK 360

SDS

SAFETY DATA SHEET

Date prepared: September 30, 2017

Revision:1002
Supersedes:1001

1. Product and Company Identification

Company
Chem Mark of Northern California
8788 Airport Rd.
Redding, CA 96002

24 Hour Emergency Response Information
800-728-2482

PRODUCT NAME: MARK 360
CHEMICAL NAME: HIGHLY ALKALINE DETERGENT BLEND
MANUFACTURED FOR: Machine Dish Washing Detergent

PRODUCT CODE: 10101

2. Hazards Identification

Emergency overview: DANGER! CORROSIVE! Can cause severe burns to skin, eyes, and mucous membranes.

SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)

EYE CONTACT : Causes severe irritation and possible tissue burns, permanent eyes damage, or blindness.

INHALATION : This product does not readily form a vapor and inhalation is unlikely. If mists or sprays of this solution are inhaled, this product may cause pulmonary irritation, irritation of the mucus membranes, coughing and a sore throat.

INGESTION : Causes severe burns. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

SKIN CONTACT : Can cause severe burns with deep ulceration and permanent scarring . It can penetrate to deeper layers of skin and corrosion will continue until removed. The severity of injury depends on the duration of exposure.



GHS SYMBOL:

3. Composition/ Information on Ingredients

Substances listed in this section are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Standard.

MATERIAL	CAS#	% BY WEIGHT
SODIUM HYDROXIDE	1310-73-2	< 30

4. First Aid Measures

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention immediately.

INGESTION: If swallowed, DO NOT induce vomiting. If victim is fully conscious, give large quantities of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

SKIN CONTACT: Immediately flush skin with plenty of clean running water, while removing contaminated clothing and shoes. If skin burn or irritation occurs, get medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel.

5. Fire Fighting Measures

FIRE FIGHTING METHOD: Move container from fire area if it can be done without risk. Cool containers with water. Avoid contact with skin and wear NIOSH approved breathing apparatus.

EXTINGUISHING MEDIA: Use extinguishing agents appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSIVE HAZARD: May generate hydrogen gas. Possible reaction with metals such as zinc, aluminum, or tin.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Isolate area. Keep unnecessary personnel away.

ENVIRONMENTAL PRECAUTIONS: Keep put of sewers, storm drains, and waterways.

CLEAN-UP PROCEDURES: Only trained and properly protected personnel should be involved in spill clean-up operations. Wear alkaline-resistant suit and complete protective equipment; rubber gloves, rubber boots, and chemical goggles. Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place material in sealable waste containers for disposal.

RECOMMENDED WASTE DISPOSAL METHOD: The materials resulted from the clean-up operation may be hazardous, therefore, are subjected to specific regulations. Dispose of in accordance with all applicable Federal, State and Local regulations. Ensure that all applicable agencies receive proper notification of spill and disposal methods.

7. Handling and Storage

HYGIENIC PRACTICES IN HANDLING AND STORING: Wash hands thoroughly after handling.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Store in cool, dry, ventilated areas.

DISPOSAL OF EMPTY CONTAINER: Empty containers should be triple rinsed with water and disposed of pursuant to Local, State and Federal requirements.

8. Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: Not normally required.

EYE PROTECTION: Chemical safety goggles and face shield to protect against skin contact when appropriate.

PROTECTIVE CLOTHING: Rubber gloves, rubber boots and full length clothing.

VENTILATION: Provide local exhaust ventilation.

OTHER PROTECTIVE MEASURES: Eyewash fountain and safety shower are recommended.

9. Physical and Chemical Properties

BOILING POINT: >200⁰F

FREEZING/MELTING POINT: Unknown

VAPOR PRESSURE (AIR=1): >1

EVAPORATION RATE (WATER =1): >1

PH CONCENTRATE: 14 +/- 0.2

SPECIFIC GRAVITY: 1.230 +/-0.2

DESCRIPTION: Clear orange solution.

VOLATILE: 72.5%

FLASH POINT: Non-combustible *METHOD USED:* Koehler CC

VAPOR DENSITY: Unknown

SOLUBILITY IN WATER: Complete

VISCOSITY: 25 cps @ 68⁰F

10. Stability and Reactivity

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid mixing of this material with strong acids or oxidizers. Also avoid metals such as aluminum, tin, galvanized, zinc, brass, and bronze. Do not contact with trichloroethylene since dichloro-acetylene may spontaneously be formed.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Excessive heat and contamination.

HAZARDOUS DECOMPOSITION: Flammable hydrogen gas will be liberated upon contact with some metals such as aluminum.

11. Toxicological Information

ROUTES OF ENTRY: Absorbed through skin. Inhalation. Ingestion.

CARCINOGEN: There is no evidence this product poses a carcinogenic risk under normal conditions of handling or use.

ACUTE EYE IRRITATION: Unknown

ACUTE SKIN IRRITATION: Unknown

ACUTE DERMAL TOXICITY: Unknown

ACUTE RESPIRATORY IRRITATION: Unknown

ACUTE INHALATION TOXICITY: Unknown

ACUTE ORAL TOXICITY: Unknown

CHRONIC TOXICITY: Unknown

12. Ecological Information

ECO-TOXICOLOGICAL INFORMATION: Unknown

CHEMICAL FATE INFORMATION: Unknown

13. Disposal Considerations

Waste disposal substance:

Do not discharge product into sewer system, storm drains or waterways. Dispose of in accordance with all applicable Federal, State and Local regulations.

Container disposal:

Empty containers should be tripled rinsed with water and disposed of pursuant to Local, State, and Federal requirements.

14. Transport Information

ID NUMBER: UN 1824

PROPER SHIPPING NAME: Sodium Hydroxide Solution

HAZARD CLASS: 8

PACKING GROUP: II

15. Regulatory Information

Federal Regulations: None Known

State Regulations: California Proposition 65- This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

16. Other Information

THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.