

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER**

Product Name: Master MHW

OTHER MEANS OF IDENTIFICATION: Low Foaming Alkaline Detergent

**RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:**

PRODUCT USE STATEMENT: Industrial Alkaline Cleaner

USES ADVISED AGAINST: Use only as stated on label.

**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

Pace 49 Inc.  
1597 Derwent Way, Delta B.C., V3M 6K8 CANADA  
Phone (800) 799-6211 | www.pace49.com

**EMERGENCY TELEPHONE NUMBER**

Infotrac (800) 535-5053 (US & Canada)  
ID#: 99352 (352) 323-3500

**2. HAZARDS IDENTIFICATION**

**CLASSIFICATION:**

Corrosive to Metals	Category 1
Acute Toxicity Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Irritation	Category 1
Specific Target Organ Toxicity Respiratory	Category 3

**SIGNAL WORD: DANGER**

Irritant, Corrosive.

**HAZARD STATEMENTS:**

H290 May be corrosive to metals

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H335 May cause respiratory irritation

**PRECAUTIONARY STATEMENTS:**

**Prevention:**

P234 Keep only in original container.

P260 Do not breathe the mist, vapours or spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing

and eye protection or face protection.

**Response:**

P301 + P312 IF SWALLOWED: call a POISON CENTER or physician IF you feel unwell.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse SKIN with water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or physician.

P310 Call a POISON CENTER or physician if you feel unwell.

Rinse mouth.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

**Storage:**

P403 + P233 Store in a well-ventilated place.

Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to an approved waste disposal plant.

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)** None.

**ADDITIONAL INFORMATION:** None.

**3. COMPOSITION**

Chemical Name	CAS No.	%
Sodium Metasilicate	6834-92-0	55 - 60
Sodium Carbonate	497-19-8	25 - 30
Sodium Alkylbenzene Sulfonate	Mixture	1-5

**4. FIRST AID MEASURES**

**FIRST AID MEASURES**

**GENERAL:** Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

**INHALATION:** Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

**SKIN CONTACT:** Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

**EYE CONTACT:** Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

**INGESTION:** Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

NO INFORMATION AVAILABLE.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

NO INFORMATION AVAILABLE.

**5. FIRE-FIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA:** Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

**UNSUITABLE EXTINGUISHING MEDIA:** No information available.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Combustion may produce sulfur oxides and other unidentified chemical compounds.

**PRECAUTIONS FOR FIREFIGHTERS:** No information available.

**FIREFIGHTING INSTRUCTIONS:** No information available.

**PROTECTION DURING FIREFIGHTING:** Wear full protective gear and full face pressure demand self-contained breathing apparatus.

**OTHER INFORMATION:** No additional information available.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**PERSONAL PRECAUTIONS:** Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**ENVIRONMENTAL PRECAUTIONS**

**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Sweep up spilled material and place in suitable container for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

**ADVICE ON SAFE HANDLING:** Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in original container. Keep container tightly closed. Store at room temperature (50-90°F) in a dry well-ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

Chemical Name	Data Source	Exposure Form	Exposure Value	Notes
Sodium Alkylbenzene Sulfonate	OSHA PEL	TWA	5 mg/m <sup>3</sup>	Dust
Sodium Carbonate	ACGIH TLV OSHA PEL	-	Not Established	-
Sodium Metasilicate	ACGIH TLV OSHA PEL	-	Not Established	-

**APPROPRIATE ENGINEERING CONTROLS**

**ENGINEERING CONTROLS:** Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

**INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION:** Safety glasses or chemical goggles should be worn when handling this material.

**HAND PROTECTION:** Wear chemical resistant gloves when handling.

**RESPIRATORY PROTECTION:** Wear respiratory protection if dust is produced, while using this material.

**GENERAL HYGIENE:** Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

**ADDITIONAL INFORMATION:** No additional information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Powder

**APPEARANCE:** White to Off White

**ODOR:** Not available.

**ODOR THRESHOLD:** Not available.

PROPERTY	VALUES
pH	13 (3% Wt Solution)
Melting/freezing point	Not available.
Initial boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower flammability limit	Not available.
Upper flammability limit	Not available.
Lower explosive limit	Not available.
Upper explosive limit	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	15%
PC: n-octanol/water	Not available.
Auto-Ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Density	Not available.
Specific gravity	Not available.



**10. STABILITY AND REACTIVITY**

**REACTIVITY:** Not reactive under normal use conditions.

**CHEMICAL STABILITY:** Material is stable under normal handling and storage conditions.

**HAZARDOUS REACTIONS:** Hazardous polymerization will not occur under normal handling and storage.

**CONDITIONS TO AVOID:** Avoid excessive heating, freezing and chemical contamination.

**DECOMPOSITION PRODUCTS:** No decomposition products are expected under normal storage and handling conditions.

**INCOMPATIBLE MATERIALS:** None known.

**11. TOXICOLOGICAL INFORMATION****INFORMATION ON LIKELY ROUTES OF EXPOSURE**

**PRODUCT INFORMATION:** The primary effects and toxicity of this material are due to its corrosive nature.

**INHALATION:** Dust may irritate respiratory system.

**SKIN CONTACT:** This material may cause skin irritation and can cause serious or permanent damage.

**EYE CONTACT:** This material may cause serious eye irritation which can result in serious or permanent damage.

**INGESTION:** This material may cause serious gastrointestinal irritation. Harmful if swallowed.

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:** No information available.

**DELAYED AND CHRONIC EFFECTS:** No information available.

**NUMERICAL MEASURES OF TOXICITY:**

Components	Exposure	Species	Dose
<b>Sodium Metasilicate</b>			
Oral	LD50	Rat	1152 mg/kg
Dermal	LD50	Rat	>5000 mg/kg
<b>Sodium Carbonate</b>			
Oral	LD50	Rat	4090 mg/kg
Inhalation	LD50	Rat	5750 mg/l
<b>Sodium Alkylbenzene Sulfonate</b>			
Oral	LD50	Rat	>2000 mg/kg

**TOXICOLOGICAL EFFECTS**

**ACUTE TOXICITY:** No Information available.

**SKIN CORROSION/IRRITATION:** No Information available.

**SERIOUS EYE DAMAGE/IRRITATION:** No Information available.

**RESPIRATORY SENSITIZATION:** No Information available.

**SKIN SENSITIZATION:** No Information available.

**GERM CELL MUTAGENICITY:** No Information available.

**CARCINOGENICITY:** This product is considered to be a potential carcinogen by:

NTP: No, OSHA: No, IARC: No

**REPRODUCTIVE TOXICITY:** This product is not expected to cause reproductive and developmental effects.

**STOT - SINGLE EXPOSURE:** No Information available.

**STOT - REPEATED EXPOSURE:** No Information available.

**ASPIRATION HAZARD:** This product is not an aspiration hazard.

**ADDITIONAL INFORMATION:** None.

**12. ECOLOGICAL INFORMATION****ECOTOXICITY**

No information available.

Components	Type	Species	Dose	Notes
<b>Sodium Metasilicate</b>				
Fish	LC50	Brachydanio rerio	210 mg/l	96 hr
Invertebrate	EC50	Daphnia magna	1700 mg/l	48 hr
Algae	EC50	Scenedesmus subspicatus	207 mg/l	72 hr
<b>Sodium Carbonate</b>				
Fish	LC50	Bluegill	300 mg/l	96 hr
<b>Sodium Alkylbenzene Sulfonate</b>				
Fish	LC50	Zebra Fish	>10 mg/l	96 hr
Invertebrate	EC50	Daphnia magna	>100 mg/l	48 hr

**PERSISTENCE AND DEGRADABILITY:** No Information available.

**BIOACCUMULATION POTENTIAL:** No Information available.

**MOBILITY IN SOIL:** No Information available.

**OTHER ADVERSE EFFECTS:** No Information available.

**ADDITIONAL INFORMATION:** No Information available.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL INSTRUCTIONS:** Dispose of material in accordance with all federal, state and local regulations.

**CONTAMINATED PACKAGING:** Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

**ADDITIONAL INFORMATION:** No additional information available.

**14. TRANSPORT INFORMATION**

*Note: The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.*

**LAND TRANSPORT: (USDOT)**

Hazard Class: 8  
Packing Group: II  
ID Number: UN1759  
Hazard Label: 8  
Proper Shipping Name: UN1759, Corrosive Solid, N.O.S. (Sodium Metasilicate Pentahydrate), 8, PGIII

**AIR TRANSPORT: (IATA/ICAO)**

Hazard Class: 8  
Packing Group: II  
ID Number: UN1759  
Hazard Label: 8  
Proper Shipping Name: UN1759, Corrosive Solid, N.O.S. (Sodium Metasilicate Pentahydrate), 8, PGIII

**15. REGULATORY INFORMATION****INTERNATIONAL INVENTORIES**

**SARA 311/312 Hazard Categories:**

Immediate (Acute) Health Hazard

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:** Not listed.

**SARA 304 EMERGENCY RELEASE NOTIFICATION:** Not regulated.

**SARA 311/312 HAZARDOUS CHEMICAL:** No

**SARA 313 TOXIC RELEASE INVENTORY (TRI) REPORT:** Not regulated.

**CERCLA HAZARDOUS SUBSTANCE LIST:** Not Listed.

**FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT (FIFRA):** This chemical is not a pesticide product.

**CLEAN AIR ACT REGULATED SUBSTANCES:** None.

**CLEAN WATER ACT REGULATED SUBSTANCES:** None.

**U.S. STATE REGULATIONS:** None.

**CANADIAN REGULATIONS:**

**CANADIAN INGREDIENT DISCLOSURE LIST**

**SUBSTANCES:** None listed.

**WHMIS CLASSIFICATION:** Sodium metasilicate, Class E

**16. OTHER INFORMATION**

**HMIS HAZARD ID:**

Health	Flammability	Reactivity	Personal protection
<b>2</b>	<b>0</b>	<b>0</b>	<b>F</b>

**PREPARED BY:** Regulatory Department, Manufacturing and Shipping Facility

**ISSUE DATE:** 01-Jan-2021 **REVISION DATE:** 01-Jan-2021

The Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.