

LOW FOAMING FOR MECHANICAL/MANUAL HORTICULTURE WASHING

1. Product & Company Identification

Product Name: PACE MHW
Old Product Name: MASTER MHW
Other means of identification: MASTERM

Recommended use of the chemical and restrictions on use

RECOMMENDED USE:
Horticulture/ Agriculture low-foaming Industrial detergent for food plant automatic washers and manual washing

RESTRICTIONS ON USE:
Use only as stated on label.

Safety Data Sheet Supplier

Pace 49 Inc.
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Delta, B.C., V3M 6C7, Canada
Phone: (800) 799-6211 Website: pace49.com

EMERGENCY TELEPHONE NUMBER

24 Hour Emergency Phone Number (800) 228-5635 x059
Transport Emergencies: Canutec 613-996-6666
Emergency Response Services: Chemtrec 800-424-9300

2. Hazards Identification



Classification	Hazard Category
Corrosive to metals	Category 1
Skin corrosion/ irritation	Category 1
Eye damage/ irritation	Category 1
Specific Target Organ Toxicity - Single Exposure	Category 3

Signal Word:

Danger

Hazard statements:

- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.

Precautionary Statements - Prevention

- P234 Keep only in original packaging.
- P260 Do not breathe dusts or mists.
- P264 Wash hands and any affected area thoroughly after handling.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P271 Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

- P390 Absorb spillage to prevent material-damage.
- P302 + P361 + P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
- P363 Wash contaminated clothing before reuse.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P301 + P304 + P302 + P316 IF SWALLOWED, INHALED OR ON SKIN: Get emergency medical help immediately.
- P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
- P319 Get medical help if you feel unwell.

Precautionary Statements - Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Precautionary Statements - Disposal

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

3. Composition/Information on Ingredients

Chemical Name	CAS No.	Weight %
Sodium metasilicate	6834-92-0	15-40
Sodium tripolyphosphate	7758-29-4	10-30
Tetrasodium pyrophosphate	7722-88-5	1-5
Sodium carbonate	497-19-8	15-40
Aromatic hydrocarbons, C10-13, reaction products with branched nonene, sulfonated, sodium salts	1258274-08-6	1-5

4. First Aid Measures

GENERAL ADVICE:

If symptoms persist, call a physician.

SKIN CONTACT:

Wash off immediately with plenty of water and soap for at least 15 minutes while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

EYE CONTACT:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

INHALATION:

Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of dust or decomposition products.

INGESTION:

Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

SELF-PROTECTION OF THE FIRST AIDER:

Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

SYMPTOMS:

Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIANS:
Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:

Use dry chemical. Water spray (fog). Alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA:

Do not use a solid water stream as it may scatter and spread fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Keep product and empty container away from heat and sources of ignition.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

UNUSUAL FIRE/EXPLOSION HAZARDS:

Hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of sodium, oxides of carbon, oxides of phosphorus, oxides of sulphur.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent undiluted product from entering drains. Undiluted product should not be released into the environment. No special disposal method required, except that it be in accordance with current local, state and federal regulations.

Methods and material for containment and cleaning up

METHODS FOR CONTAINMENT:

Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP:

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up. Take precautionary measures against static discharges.

7. Handling & Storage

Precautions for safe handling

Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 86°F and above 41°F. Do not store in metal containers. Prolonged storage may cause product to cake and become damp from atmospheric moisture. Adding this product to water will result in exothermic reaction, where heat will be released. Add this product to water slowly with mixing, do not add water to this product.

8. Exposure Controls/Personal Protection

Chemical Name	ACGIH	California OSHA PEL	NIOSH
Tetrasodium pyrophosphate	not listed	5 mg per m ³ of air at 77°F and 760 mmHg pressure.	not listed
CAS# 7722-88-5			

Appropriate engineering controls

Showers, Eyewash stations & Ventilation systems

Individual protection measures, such as personal protective equipment

EYE/FACE PROTECTION:

Tight sealing safety goggles. Face protection shield.

SKIN AND BODY PROTECTION:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

RESPIRATORY PROTECTION:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

GENERAL HYGIENE:

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

9. Physical & Chemical Properties

Properties	Values
Physical State	Solid, powder
Color	Light brown
Odor	Odorless, no added fragrance
Odor threshold	No information available
pH	Not applicable
Specific gravity	No information available
Viscosity	Not applicable
Melting point/freezing point	No information available
Flash point	No information available
Boiling point / boiling range	No information available
Evaporation rate	No information available
Flammability	Not flammable, not combustible.
Upper flammability limit in air	No information available
Lower flammability limit in air	No information available
Vapour pressure	No information available
Vapour density	No information available
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
VOC content (%)	No information available

10. Stability & Reactivity

REACTIVITY:
No data available.

STABILITY:
Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:
None under normal processing.

CONDITIONS TO AVOID:
Temperatures above 86 °F and below 41 °C. Avoid moisture.

INCOMPATIBLE MATERIALS:
Acid, strong oxidizers, moisture.

HAZARDOUS DECOMPOSITION PRODUCTS:
Oxides of sodium, oxides of carbon, oxides of phosphorus, oxides of sulphur.

11. Toxicological Information

Acute Toxicity Estimate (ATE)

Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
> 2400 mg/kg	> 7000 mg/kg	No data
2.5% of the mixture consists of ingredient(s) of unknown acute oral toxicity.	32.5% of the mixture consists of ingredient(s) of unknown acute dermal toxicity.	

Information on likely routes of exposure

INHALATION:
Causes burns. Redness, blisters.

EYE CONTACT:
Corrosive to the eyes and may cause severe damage including blindness.

SKIN CONTACT:
The product causes burns of eyes, skin and mucous membranes.

INGESTION:
Causes burns. May cause irritation and nausea.

Information on toxicological effects

SYMPTOMS:
No Information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

CORROSIVITY:
Causes burns. Extremely corrosive and destructive to tissue. Risk of serious damage to eyes.

SENSITIZATION:
Data available indicates no potential risk.

GERM CELL MUTAGENICITY:
Data available indicates no potential risk.

CARCINOGENICITY:
Data available indicates no potential risk.

REPRODUCTIVE TOXICITY:
Data available indicates no potential risk.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:
Single exposure might cause respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:
Data available indicates no potential risk.

ASPIRATION HAZARD:
Data available indicates no potential risk.

12. Ecological Information

Ecotoxicity
No information available.

PERSISTENCE AND DEGRADABILITY:
No information available.

BIOACCUMULATION:
No information available.

13. Disposal Considerations

Waste treatment methods
Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

14. Transport Information

US DOT/IMDA/IATA
UN1759, CORROSIVE SOLID, N.O.S. (SODIUM METASILICATE PENTAHYDRATE), 8, PGIII

ENVIRONMENT HAZARDS:
No.

ADDITIONAL INFORMATION:
None.

15. Regulatory Information

International Inventories
TSCA: All components are listed or exempted
TSCA: United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Reactive Hazard	No
Sudden release of pressure hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This product has been evaluated and does not require warning labeling under California Proposition 65.

New York State 1,4-dioxane Limitation

This product (concentrate) contains <1ppm 1,4-dioxane which meets New York State's <2ppm 1,4-dioxane by December 31, 2023 limit restriction in cleaning products.

16. Other Information

Acronym List

ACGIH	American Conference of Governmental Industrial Hygienists
C	Ceiling Limit - The maximum exposure limit
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
DOT	Department of Transportation
DSL/NDSL	Domestic Substances List/ Non-domestic Substance List
EC50	Half maximal effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IDLH	Immediately Dangerous to Life or Health
IMDG	The International Maritime Dangerous Goods
LC50	Lethal concentration, 50%
LD50	Lethal dose, 50%
NIOSH	The National Institute for Occupational Safety and Health
N.O.S.	Not Otherwise Specified
NPRI	National Pollutant Release Inventory
NTP	National Toxicology Program
OHSR	Occupational Health & Safety Regulation
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PNOC	Particulates not otherwise classified
PMCC	Pensky-Martens Closed Cup
POW	Partition Coefficient Octanol: Water
RCRA	Resource Conservation and Recovery Act
REL	Recommended Exposure Limit
SDS	Safety Data Sheets
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act Chemical Substance
TWA	Time-Weighted Average

PREPARED BY: Pace Solutions Regulatory Department

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.