

**Material Safety Data Sheet
USR with MULTIPHASE**

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SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: USR with MULTIPHASE
CHEMICAL FAMILY: MODERATELY ALKALINE MILD OXIDIZER
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:
EYES: May cause severe eye irritation. May cause conjunctivitis or serious eye lesions.
SKIN (DERMAL): Skin contact may cause irritation. Prolonged exposure may cause dermatitis.
SWALLOWING (INGESTION): May cause severe gastrointestinal irritation and/or ulceration of the mouth and throat. Single dose oral LD50 has not been determined.
INHALATION: Vapors and mist may cause respiratory tract irritation.
MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Existing skin and/or respiratory disorders may be aggravated by exposure.
CHRONIC OVEREXPOSURE:.. None known
OSHA REGULATORY STATUS: Since this product is a mixture, there is no defined PEL's (Personal Exposure Limits) established by OSHA. ACGIH TLV's (Threshold Limit Values) for hazardous components are listed in the Hazardous Ingredients Section of this MSDS.

SECTION III – COMPOSITION, INFORMATION ON INGREDIENTS

THRESHOLD LIMIT VALUE:.. The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	PERCENT	CAS #	ACGIH/TWA	STEL/TLV
Sodium percarbonate	60-80	15630-89-4	NOT EST.	NOT EST.
Sodium tripolyphosphate	20-40	7758-29-4	NOT EST.	NOT EST.

Also contains biodegradable surfactant.

SECTION IV – FIRST AID MEASURES

EYES: In case of contact, remove contact lenses and immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.

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SKIN (DERMAL):..... Immediate and continued thorough washing with running water for 15 minutes is imperative while removing contaminated clothing. Get medical attention if pain or redness persists. Wash contaminated clothing before reuse.

SWALLOWING (INGESTION): NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give 2 to 4 glasses of milk) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:..... If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately. Never give anything by mouth to an unconscious person.

SECTION V – FIRE FIGHTING MEASURES

FLASHPOINT:..... None

LOWER EXPLOSIVE LIMIT:... N/A

UPPER EXPLOSIVE LIMIT:.... N/A

EXTINGUISHING MEDIA: Use extinguishing media appropriate to primary cause of fire.

SPECIAL FIRE FIGHTING

PROCEDURES: Avoid contact with fire fighting personnel as irritation may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

UNUSUAL FIRE AND

EXPLOSION HAZARDS: **OXIDANT:** May enhance an existing fire. Decomposition in the presence of organic materials can be highly exothermic and may cause combustion.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL/ LEAK PROCEDURES:.. Appropriate protective clothing must be worn by trained cleanup personnel. Dike the area to contain spill. Dilute with large quantities of water and flush to holding tank. Properly neutralized liquid (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

SECTION VII – HANDLING AND STORAGE

HANDLING INFORMATION: .. Store away from acids, reducing agents and other incompatible materials. Keep container tightly closed when not in use. KEEP OUT OF REACH OF CHILDREN.

STORAGE REQUIREMENTS:.. Keep containers tightly closed when not in use. Empty container completely and dispose of in accordance with applicable regulations. SPILLS: Contain spill. Absorb with inert material and dispose in accordance with applicable regulations. Store away from food production areas and food storage areas.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:..... Chemical safety goggles and full face shield to protect against splashing in compliance with OSHA regulations are advised. OSHA regulations also permit

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other type safety glasses. (Consult your industrial hygienist) Contact lenses should not be worn when working with any chemicals.

RESPIRATORY PROTECTION: Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in the Hazardous Ingredient Section of this MSDS.

OTHER PROTECTIVE

EQUIPMENT: Impervious protective gloves and chemical resistant safety shoes should be worn to minimize contact. Emergency shower and eyewash facility should be in close proximity. (ANSIZ358.1)

VENTILATION:..... Local exhaust sufficient to maintain TLV below permissible exposure limits.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White free flowing powder with mild odor.

BOILING POINT:..... NOT EST.

VAPOR PRESSURE: NOT EST.

VAPOR DENSITY (AIR=1): NOT EST.

SPECIFIC GRAVITY:..... NOT EST.

pH: 10.5 ± 0.1 (1% SOLUTION)

SOLUBILITY IN WATER:..... Soluble in water.

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS

POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong reducing agents, strong acids, strong bases and organic materials.

HAZARDOUS

DECOMPOSITION: Carbon monoxide and carbon dioxide upon thermal decomposition.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL

INFORMATION: **Sodium Percarbonate:** LD50 oral: 2400 mg/kg (rat); LD50 dermal: min 2000 mg/kg (rabbit); LD50 inhalation: min 4580 mg/kg (rat).

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION: **Sodium Percarbonate:** Ecotoxicity: Not available. BOD5 and COD: Not available. Products of biodegradation: Possibly hazardous short term degradation products are not likely.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

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SECTION XIV – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: UN-1479 OXIDIZING SOLID, N.O.S. (SODIUM CARBONATE PEROXYHYDRATE) 5.1 PG - III

HAZARD CLASS AND LABEL: 5.1 (OXIDIZER)

UN NUMBER: UN-1479

PACKAGING GROUP:..... PG – III

FOR INTERNAL PACKAGES OF LESS THAN 10 LBS. EACH, WHEN SHIPPED BY LAND IN NORTH AMERICA:

PROPER SHIPPING NAME: Limited Quantity

HAZARD CLASS AND LABEL: Limited Quantity label

SECTION XV – REGULATORY INFORMATION

LISTED CARCINOGEN:..... None known

TSCA STATUS:..... All components in this product are listed on the TSCA inventory.

SARA SECTION 313: This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372):

NFPA HEALTH: 2

NFPA FLAMMABILITY: 0

NFPA REACTIVITY: 1

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:..... **Sodium Percarbonate:** CLASS C: Oxidizing material. CLASS D-2B: Material causing other toxic effects (TOXIC).

SECTION XVI – OTHER INFORMATION

REFERENCES: The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. HYDRAMASTER CORP. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

FOOT NOTES: NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.