SAFETY DATA SHEET
USR with MULTIPHASE

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME	:	USR with MULTIPHASE
SYNONYMS	:	Product is a mixture: No synonyms are available.
PRODUCT USE	:	Moderate Oxidizing Material
SUPPLIER	:	HYDRAMASTER CORP.
SUPPLIER'S ADDRESS	:	11015 47TH AVE W, MUKILTEO, WA 98275 (425) 776-7272
EMERGENCY RESPONSE PHONE NUMBER	:	PERS: 1-800-633-8253

SECTION 2 – HAZARD IDENTIFICATION

GHS U.S. CLASSIFICATION

OXIDIZING LIQUID	:	H272	Cat 2	May intensify fire: Oxidizer
ACUTE TOXICITY	:	H302	Cat 4	Harmful if swallowed.
SKIN IRRITATION	:	H315	Cat 2	Causes skin irritation
EYE DAMAGE	:	H318	Cat 1	Causes serious eye damage
STOT SE	:	H335+336	Cat 3	May cause respiratory irritation. May cause drowsiness or dizziness

LABEL ELEMENTS : **GHS – US HAZARD PICTOGRAMS** The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS :

SIGNAL WORD	:	WARNING	
HAZARD STATEMENTS (GHS-US)	:	H272	May intensify fire: Oxidizer
	:	H302	Harmful if swallowed.
	:	H315	Causes skin irritation.
	:	H318	Causes serious eye damage.
	:	H335+336	May cause respiratory irritation. May cause drowsiness or dizziness.
PRECAUTIONARY STATEMENTS (GHS-US)	:	P101	If medical advice is needed, have product container or label at hand.
	:	P102	Keep out of reach of children.
	:	P103	Read label before use.
	:	P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
		P221	Take any precaution to avoid mixing with combustibles.
	:	P260	Do not breathe dust/fume/gas/mist/vapors/spray.
	:	P264	Wash skin and contaminated clothing thoroughly after handling.
	:	P270	Do not eat, drink or smoke when using this product.
	:	P280	Wear suitable protective gloves/protective clothing/eye protection/face protection.
	:	P301+	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel

	P312	unwell.
:	P302+P352	: IF ON SKIN: Wash with plenty of soap and water.
:	P305+351+ P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
:	P332+P313	If skin irritation occurs: Get medical advice/attention.
	P362	Take off contaminated clothing.
:	P405	Store locked up.
:	P501	Dispose of contents/container in accordance with local /regional / national / international regulations.

CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.
NFPA RATINGS (SCALE 0-4) : Health = 2, Fire = 1, Reactivity = 0
HMIS RATINGS (SCALE 0-5) : Health = 2, Fire = 1, Reactivity = 0

SECTION 3 – COMPOSITON/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTIC : Mixtures
DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Sodium Percarbonate	60-80	15630-89-4	239-707-6	Ox Solid Cat 2, Skin Irrit Cat 4 Eye Dam Cat 1
Sodium Tripolyphosphate	20-40	7758-29-4	231-838-7	Skin & Inhalation Irrit. Cat 4
Alcohol Ethoxylate	01.-1	68439-46-3	Not Found	Eye Irrit Cat 2B
Nonionic Fluorosurfactant	0.1-1	Proprietary	Proprietary	Acute Tox Cat 4, Aquatic Acute Cat 3, Aquatic Chronic 3;

Irrit. = Irritation, Corr. = Corrosion, Cat. = Category. Ox. = Oxidizing, Liq = Liquid, STOT SE = Specific Target Organ Toxicity Single Exposure, Dam = Damage

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL : Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible. In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediate call a POISON CENTER or doctor/physician.

SKIN CONTACT : Immediately remove contaminated clothing and shoes. Wash affected skin area with soap and large quantities of running water until no evidence of chemical remains. Delayed skin damage is possible if product is not completely washed off. If irritation, pain and or redness persists, get medical attention.

SWALLOWING (INGESTION) : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. If victim is unconscious, loosen tight clothing and lay victim on side. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION : Remove victim from exposure and into fresh air. If respiratory symptoms persist, get medical attention.

OTHER INSTRUCTIONS : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively. Remove and isolate contaminated clothing and shoes. Contaminated clothing may be a fire risk.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Water spray, fog, carbon dioxide. Carbon dioxide may provide limited control. Dry chemical or foams are not recommended.

SPECIAL HAZARDS (FIRE) : Not flammable. This product is an oxidizer which may intensify a fire.

EXPLOSION HAZARDS : Product is not explosive.

REACTIVITY (FIRE) : Thermal decomposition products: Fire may produce irritating, corrosive and/or toxic gasses. Decomposition releases oxygen and heat which can support combustion and cause pressure build-up in confined spaces or containers. Decomposition in the presence of organic materials can be highly exothermic and may cause combustion. These substances will accelerate burning when involved in a fire. May be corrosive to metals.

SPECIAL INSTRUCTIONS TO FIRE FIGHTERS

PRECAUTIONARY MEASURES : Exercise caution when fighting any chemical fire.

FIREFIGHTING INSTRUCTIONS : Use water spray or fog for cooling exposed containers.

PROTECTION DURING FIREFIGHTING : Do not enter fire area without proper protective equipment, including respiratory protection.

HAZARDOUS COMBUSTION PRODUCTS : Potassium oxides. May liberate toxic gases. Sodium oxides. Phosphorous oxides. Nitrogen oxides. Carbon oxides (CO, CO_2). Explosive Hydrogen gas.

OTHER INFORMATION (FIRE) : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES : Do not allow product to spread into the environment. Do NOT breathe vapors, mist or spray. Avoid all contact with skin, eyes or clothing. Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel. Ventilate are.

ENVIRONMENTAL PRECAUTIONS : Keep spilled material away from sewage/drainage systems and waterways. This product contains a U.S. EPA Reportable Quantity (RQ) substance. If amounts exceeding the Reportable Quantity are released, notification of the National Response Center (800) 424-8802 is required. See section15 for more information.

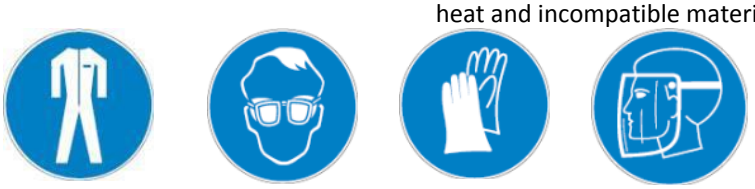
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP : **Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Cleaning Up: Clear up spills immediately and dispose of waste safely. Absorb spillage to prevent material damage. Contact competent authorities after a spill.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

CONDITIONS FOR SAFE STORAGE : Store in a dry, cool and well ventilated place. Keep container closed when not in use. Keep/store away from extremely high or low temperatures, direct sunlight, heat and incompatible materials (Strong acid, Strong oxidizers).



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV (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	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Sodium Percarbonate	Not Established	Not Established	Not Established
Sodium Tripolyphosphate	Not Established	Not Established	Not Established
Sodium Tripolyphosphate	Not Established	Not Established	Not Established
Nonionic Fluorosurfactant	Not Established	Not Established	Not Established

EYE PROTECTION : Wear chemical splash goggles or face shield.
SKIN PROTECTION : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
RESPIRATORY PROTECTION : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
VENTILATION : Ensure adequate ventilation.
ADDITIONAL MEASURES : Emergency eyewash and safety shower facilities should be available in the immediate work area.
REQUIRED WORK/HYGIENE : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : White free flowing powder with mild to no odor.
ODOR : Mild odor
ODOR THRESHOLD : Not available
PH : 10.5 $\pm$ 0.5 as is
MELTING POINT/FREEZING POINT : Not available
BOILING POINT : Not available
FLASHPOINT : Not applicable
EVAPORATION RATE : Not available
FLAMMABILITY : Non flammable, Non combustible
LOWER FLAMMABILITY LIMIT : Not applicable
UPPER FLAMMABILITY LIMIT : Not applicable
VAPOR PRESSURE : Not available
VAPOR DENSITY (AIR=1) : Not available
RELATIVE DENSITY : NOT EST.
SOLUBILITY IN WATER : Soluble in water

PARTITION COEFFICIENT n-OCTANOL/WATER	:	Not available
AUTOIGNITION TEMPERATURE	:	Not available
DECOMPOSITION TEMPERATURE	:	Not available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	:	Sodium Percarbonate rapidly decomposes in water to hydrogen peroxide and sodium carbonate.
STABILITY	:	Stable under normal recommended storage conditions.
HAZARDOUS CONDITIONS TO AVOID	:	Avoid incompatible materials, heat, sparks and flames. Avoid sunlight.
INCOMPATIBLE MATERIALS	:	Acids, bases, salts of heavy metals, reducing agents, organic materials and flammable substances.
HAZARDOUS DECOMPOSITION PRODUCTS	:	Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with temperature increases and may be very vigorous with rapid generation of oxygen and steam.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	:	**Sodium Percarbonate**
ACUTE TOXICITY	:	Acute oral toxicity (LD50): 2200 mg/kg [Mouse].
CHRONIC EFFECTS ON HUMANS	:	No data available
OTHER TOXIC EFFECTS ON HUMANS	:	Very hazardous in case of skin contact (irritant). Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (sensitizer).
SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS	:	Material is irritating to mucous membranes and upper respiratory tract.

TOXICOLOGICAL INFORMATION	:	**Sodium Tripolyphosphate**
ACUTE TOXICITY	:	Oral - rat LD50 - 5,400 mg/kg; practically non-toxic Dermal - rabbit LD50 - > 7,940 mg/kg; practically non-toxic Eye Irritation - rabbit - 3.3/110.0; slightly irritating Skin Irritation - rabbit - 0-0/8.0 (24-hr exp.); not irritating Inhalation - LC50 > 0.39 mg/L (rat, 4 hr) (maximum attainable concentration)

TOXICOLOGICAL INFORMATION	:	**Nonionic Fluorosurfactant**
ACUTE TOXICITY	:	Oral LD50: 550 mg/kg (rat), Dermal LD50: >5000 mg/kg (rat), Inhalation ALC: >5.9 mg/l (rat, male)
SENSITIZATION	:	Not a skin sensitizer.
CARCINOGENICITY	:	It is unlikely to present a carcinogenic hazard to humans.
REPEATED DOSE TOXICITY	:	No data available.

SECTION 12 – 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. However, long term degradation products may arise.

TOXICITY OF THE PRODUCTS OF BIODEGRADATION	:	The products of degradation are more toxic.
SPECIAL REMARKS ON THE PRODUCTS OF BIODEGRADATION	:	Not available.
ECOLOGICAL INFORMATION	:	**Sodium Tripolyphosphate**
ECOTOXICITY	:	Invertebrate: 48-hr LC50 Daphnia magna: > 1000 mg/L; Practically Nontoxic 96 hr. LC 50 > 100 mg/L, non-toxic (Rainbow trout, Inland silversides and mysid schrimp). [FMC I89-1081, 1082 & 1083] 48 hr. LC 50> 100 mg/L, non-toxic (Daphnia magna) [FMC I89-1084]
PERSISTENCE & DEGRADABILITY	:	No data available.
ENVIRONMENTAL FATE	:	Phosphates: Inorganic phosphates, including this product, at high concentrations in the environment have the potential to cause eutrophication in aquatic systems. This condition is characterized by excessive algal growth, and subsequent decreases in oxygen levels. In general, proper use and disposal of this product should pose no adverse ecological risk.
ECOLOGICAL INFORMATION	:	**Nonionic Fluorosurfactant**
ECOTOXICITY	:	LC50 (96 hour): ~37 mg/l (Rainbow trout), EC50 (48 hour): ~29 mg/l (Daphnia magna)
LONG TERM TOXICITY	:	No data available.
PERSISTENCE & DEGRADABILITY	:	Not readily biodegradable.
OTHER ADVERSE EFFECTS	:	None known.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	:	This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME	:	N/A
HAZARD CLASS AND LABEL	:	N/A
UN NUMBER	:	N/A
PACKAGING GROUP	:	N/A
EPA REPORTABLE QUANTITY (RQ)	:	N/A
MARINE POLLUTANT	:	N/A
EMERGENCY RESPONSE GUIDE		N/A

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN	:	Not listed
TSC STATUS	:	The ingredients of this product are listed on TSCA (Toxic Substances Control Act) inventory (40CFR 710.)
SARA SECTION 302	:	None
SARA SECTION 311/312 HAZARD CLASS	:	Immediate (acute) health hazard. Reactive hazard. (Sodium Percarbonate)
SARA SECTION 313	:	None
NFPA HEALTH	:	2
NFPA FLAMMABILITY	:	0
NFPA REACTIVITY	:	1

EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION	:	Xi: Irritant.
DSD/DPD RISK (R) PHRASES	:	R34: Causes severe burns. R22: Harmful is swallowed.
DSD/DPD SAFETY (S) PHRASES	:	S1/2: Keep locked up and out of reach of children. S18: Handle and open containers with care. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible. S61: Avoid release to the environment. S64: If swallowed, rinse mouth with water if victim is conscious.
DSD/DPD HAZARD SYMBOL	:	C: Corrosive, Xn: Harmful

CANADIAN REGULATORY INFORMATION

WHMIS CATEGORY	:	Class D2B: Materials that cause other toxic effects (TOXIC). Sodium Percarbonate
DOMESTIC SUBSTANCES LIST (DSL)	:	Listed
INGREDIENT DISCLOSURE LIST	:	Listed, This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the sds contains all of the information required by the CPR.

SECTION 16 – OTHER INFORMATION

DISCLAIMER	:	The information contained herein has been compiled from sources believed to be realiable 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. 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.
CERCLA	:	Comprehensive Environmental Response, Compensation, and Liability Act.

EINECS	:	European Inventory of Existing Commercial Chemical Substances
IMDG	:	International Maritime Code for Dangerous Goods
IARC	:	International Agency for Research on Cancer
IATA	:	International Air Transportation Association
ACGIH	:	American Conference of Governmental Industrial Hygienists
NFPA	:	National Fire Protection Association (USA)
NTP	:	National Toxicology Program
SARA	:	Superfund Amendments and Reauthorization Act
TSCA	:	Toxic Substances Control Act
HMIS	:	Hazardous Materials Identification System (USA)
WHMIS	:	Workplace Hazardous Materials Information System
LC50	:	Lethal concentration, 50 percent
LD50	:	Lethal dose, 50 percent
STOT	:	Systemic Target Organ Toxicity
DATE PREPARED	:	MAR 1, 2012
DATE REVISED	:	MAR 1, 2015