SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME: MICROTECH MICRO-PAK DETERGENT
RECOMMENDED USE: ENCAPSULATED MACHINE DISH DETERGENT
RESTRICTIONS ON USE: DO NOT USE IN A MANNER INCONSISTENT WITH THE LABEL.
LABEL BRAND: U S CHEMICAL
SDS 5911840M  CODE 5512443

U S CHEMICAL  316 HART STREET  WATERTOWN, WI 53094 USA
MEDICAL EMERGENCY: 1-866-923-4913 USA
SPILL EMERGENCY: 1-800-424-9300 USA
PRODUCT INFORMATION: 1-800-558-9566 USA  (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
INTERNET ADDRESS: WWW.USCHEMICAL.COM

2. HAZARD(S) IDENTIFICATION

CLASSIFICATION: SKIN CORROSION (CATEGORY 1B), EYE DAMAGE (CATEGORY 1)
ACUTE TOXICITY: ORAL (CATEGORY 4)

LABEL ELEMENTS
SIGNAL WORD: DANGER
PICTOGRAMS: CORROSION, EXCLAMATION MARK
HAZARD STATEMENTS: CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED.
PRECAUTIONARY STATEMENTS: Wear chemical-splash safety goggles, chemical-resistant protective gloves and protective footwear. Avoid contact with eyes, skin and clothing. Do not breathe dusts. Do not eat, drink, or smoke when using this product. Wash hands and affected areas thoroughly after handling. Mix slowly only with unheated water. Reacts exothermically on contact with water. DO NOT MIX WITH ACIDS OR ANY OTHER CHEMICAL. Can react to release hazardous gases.
FIRST AID: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Call a Poison Center or physician if you feel unwell. Do NOT induce vomiting. If conscious, dilute by drinking up to a cupful of milk or water as tolerated. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
START FIRST AID. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
EMERGENCY TELEPHONE: 1-866-923-4913

Storage: Keep container tightly closed. Store locked up.
Disposal: Dispose of contents in accordance with all federal, state and local applicable laws and regulations.
KEEP OUT OF REACH OF CHILDREN. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
HAZARDS NOT OTHERWISE CLASSIFIED: Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENT(S)</th>
<th>CAS #</th>
<th>WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>43.2</td>
</tr>
<tr>
<td>SODIUM CARBONATE</td>
<td>497-19-8</td>
<td>24.4</td>
</tr>
<tr>
<td>TETRASODIUM PYROPHOSPHATE</td>
<td>7722-88-5</td>
<td>3.0</td>
</tr>
</tbody>
</table>

STATE RIGHT TO KNOW: SEE SECTION 15 FOR STATE RTK CHEMICAL NAMES IN MIXTURE.
4. FIRST-AID MEASURES

<table>
<thead>
<tr>
<th>Condition</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>IF IN EYES</td>
<td>RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING FOR AT LEAST 15 MINUTES.</td>
</tr>
<tr>
<td>IF ON SKIN (OR HAIR)</td>
<td>TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER FOR AT LEAST 15 MINUTES. WASH CONTAMINATED CLOTHING BEFORE REUSE.</td>
</tr>
<tr>
<td>IF SWALLOWED</td>
<td>RINSE MOUTH. Do NOT INDUCE VOMITING. IF CONSCIOUS, DILUTE BY DRINKING UP TO A CUPFUL OF MILK OR WATER AS TOLERATED.</td>
</tr>
<tr>
<td>IF INHALED</td>
<td>REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING. START FIRST AID. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.</td>
</tr>
</tbody>
</table>

EMERGENCY TELEPHONE: 1-866-923-4913

MOST IMPORTANT SYMPTOMS / EFFECTS: CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE BLINDNESS WITHOUT IMMEDIATE FIRST AID. HARMFUL IF SWALLOWED. CAUSES BURNS AND SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH. CORROSIVE TO ALL BODY TISSUES.

MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

NOTE TO PHYSICIAN: CALL 1-866-923-4913 FOR EXPOSURE MANAGEMENT ASSISTANCE.

5. FIRE-FIGHTING MEASURES

| Chemical Hazards | Corrosive. Non-flammable. |
| Combustion Product Hazards | Oxides of carbon and other fumes. |
| Methods | Select extinguisher and methods based on fire size and type. |
| Equipment | Wear SCBA and full protective gear as conditions warrant. |
| NFPA Rating | Health-3/Flammability-0/ Instability-1/Special Hazard-N.AP. |
| Suitable Extinguishers | Water, dry chemical, CO2 or foam suitable for fire. |
| Unsuitable Extinguishers | No restrictions based on chemical hazards. |

6. ACCIDENTAL RELEASE MEASURES

| Personal Precautions | Evacuate unprotected personnel from area. Wear personal protection including rubber boots. See section 8. Ventilate area if needed. Be careful not to slip. Wash thoroughly after clean-up. |
| Environmental Precautions | Prevent spill from entering drain, storm sewer or surface waterway. Prevent water and soil contamination. |
| Clean-up Methods | Carefully sweep up and shovel into dry labeled containers without raising dust. Move containers out of spill area after spill collection, flush area with water and follow with normal clean-up procedures. |

7. HANDLING AND STORAGE

| Handling | Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first aid measures. Avoid inhalation, ingestion, and contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before reuse. Product residue may remain in empty containers. Handle carefully to avoid damaging container. |
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: SODIUM CARBONATE = NONE
SODIUM HYDROXIDE = 2 MG/M3 CEILING LIMIT (ACGIH), 2 MG/M3 TWA (OSHA)
TETRASODIUM PYROPHOSPHATE = NONE

ENGINEERING CONTROLS: GENERAL ROOM VENTILATION IS TYPICALLY ADEQUATE. PROVIDE
SUITABLE FACILITIES FOR QUICK DRENCHING OR FLUSHING OF THE EYES AND BODY IN CASE OF CONTACT.

PERSONAL PROTECTION
EYES: SAFETY GOGGLES (INDIRECT-VENTED OR NON-VENTED) AND AN EYE-WASH STATION.
HANDS: CHEMICAL-RESISTANT PROTECTIVE GLOVES (RUBBER OR NEOPRENE).
RESPIRATORY: WEAR DUST MASK IF HANDLING Creates AIR-BORNE DUST.
FEET: RUBBER BOOTS DURING SPILL CLEAN-UP AND WHEN EXPOSURE IS POSSIBLE.
BODY: RUBBER FULL-COVER PROTECTIVE CLOTHING WHEN EXPOSURE IS POSSIBLE.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: WHITE POWDER  AUTO-IGNITION TEMPERATURE: N.AV.
ODOR: NONE  DECOMPOSITION TEMPERATURE: N.AV.
pH CONCENTRATE: N.AP.  EXPLOSIVE LIMITS (LEL/UEL): NONE
pH @ 2500 PPM SOLUTION: 11.6 (BASIC)  EVAPORATION RATE: N.AV.
pH @ USE DILUTION: >12.0 (BASIC)  FLAMMABILITY (SOLID, GAS): N.AP.
PHYSICAL STATE: GRANULAR POWDER  FLASH POINT: NONE
RELATIVE DENSITY (WATER): N.AV.  INITIAL BOILING POINT/RANGE: N.AV.
SOLUBILITY (WATER): MODERATE  MELTING POINT/FREEZING POINT: N.AV.
VAPOR PRESSURE: N.AV.  ODOR THRESHOLD: N.AV.
VAPOR DENSITY: N. AV.  PARTITION COEFF. (N-OCTANOL/WATER): N.AV.
VISCOITY: N.AP.  OTHER: N.AV.

10. STABILITY AND REACTIVITY

REACTIVITY: MIXING WITH INCOMPATIBLES CAN RELEASE HEAT + HAZARDOUS GASES.
CHEMICAL STABILITY: STABLE.
POSSIBILITY OF HAZARDOUS REACTIONS: SEE REACTIVITY. WILL NOT POLYMERIZE.
CONDITIONS TO AVOID: TEMPERATURES ABOVE 120°F (49°C) AND HIGH HUMIDITY.
MATERIALS TO AVOID: ACIDS, METALS + OTHER CHEMICALS. MIX ONLY WITH WATER.
HAZARDOUS DECOMPOSITION PRODUCTS: NONE UNDER NORMAL CONDITIONS.

11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: EYES, SKIN, INGESTION, INHALATION.
INFORMATION ON ROUTES OF EXPOSURE: NO LC50/LD50 TEST DATA ON MIXTURE.
ACUTE EFFECTS /SYMPTOMS: CORROSIVE TO ALL BODY TISSUES.
EYES: CAUSES SERIOUS EYE DAMAGE. MAY CAUSE PAIN, REDNESS AND WATERING.
SKIN: CAUSES SEVERE SKIN BURNS. MAY CAUSE DELAYED PAIN, REDNESS AND BLISTERING.
INGESTION: CAUSES BURNS AND SERIOUS DAMAGE TO MOUTH, THROAT AND STOMACH.
INHALATION: MAY CAUSE CORROSIVE EFFECTS TO NOSE, THROAT, AND RESPIRATORY SYSTEM.
CHRONIC / OTHER EFFECTS: NO REPORTABLE GERM CELL MUTAGENS, SKIN SENSITIZERS,
RESPIRATORY SENSITIZERS, REPRODUCTIVE TOXINS OR ASPARATION HAZARDS.
SPECIFIC TARGET ORGANS (SINGLE/REPEATED): NONE KNOWN.
NUMERICAL MEASURES OF TOXICITY: ATEmix (ORAL-RAT) = 1160 MG / KG
CARCINOGENS: NO REPORTABLE ACGIH, IARC, NTP, OR OSHA CARCINOGENS.
12. ECOLOGICAL INFORMATION

ECOTOXICITY / CHEMICAL FATE: NOT AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: UNDILUTED PRODUCT IS REGULATED UNDER ENVIRONMENTAL AND TRANSPORTATION LAWS AS A CORROSIVE WASTE (RCRA CLASS D002). DISPOSE OF CONTENTS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL APPLICABLE LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. MANAGE CHEMICAL WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY. DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION

DOT / IMDG / TDG: UN1823, SODIUM HYDROXIDE, SOLID, MIXTURE, 8, II

15. REGULATORY INFORMATION

EPA CERCLA RQ: NO
EPA REGISTERED: NO
OSHA HAZARDOUS: YES
PHOSPHORUS CONTENT: SEE LABEL
PROPOSITION 65: NO
SARA 311/312 HAZARDS: ACUTE
SARA 313 CHEMICALS: NO
TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.
VOC: 0.00% CALCULATION METHOD USED IS BASED ON CALIFORNIA ARB STANDARD.

16. OTHER INFORMATION

PREPARATION DATE: 10-4-18  PREPARED BY: RC  REVISED SECTION: 16
ABBREVIATIONS: N.AV. = NOT AVAILABLE  N.AP. = NOT APPLICABLE

NOTICE TO READER

THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED TECHNICALLY RELIABLE. IT DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THE INFORMATION CONTAINED WITHIN. ACTUAL CONDITIONS OF USE AND HANDLING ARE BEYOND SELLER’S CONTROL. USER IS RESPONSIBLE FOR EVALUATING ALL AVAILABLE INFORMATION WHEN USING PRODUCT FOR ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS.