



MATERIAL SAFETY DATA SHEET

Section 1. PRODUCT AND COMPANY IDENTIFICATION *****

NAME: BACTERIAL DIGESTANT
USE: SPECIALTY (DIGESTER CLEANER)
LABEL ID: RENOWN
MSDS # 3720821 CODE # REN02814

MEDICAL EMERGENCY #: 1-800-851-7145 EXT. 075 USA (24/7)
 SPILL EMERGENCY #: 1-800-424-9300 USA (24/7)
 PRODUCT INFORMATION #: 1-888-468-1555
 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
 INTERNET ADDRESS: www.amsan.com
 REVIEWED 4-14-05 REVISED 4-14-05 SECTION REVISED: 1

DISTRIBUTED EXCLUSIVELY BY:
 AMSAN
 THREE PARKWAY NORTH
 SUITE 120 NORTH
 DEERFIELD, IL 60015

Section 2. HAZARDS IDENTIFICATION *****

EMERGENCY OVERVIEW: CAUTION! MAY BE MILDLY IRRITATING TO EYES.

PRINCIPLE ROUTES OF EXPOSURE: EYES, INGESTION.

POTENTIAL ACUTE HEALTH EFFECTS

EYES: MAY BE MILDLY IRRITATING TO EYES.

SKIN: MAY BE MILDLY IRRITATING TO SKIN.

INHALATION: NONE KNOWN.

INGESTION: MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA.

MEDICAL CONDITIONS AGGRAVATED: PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTABLE TO IRRITATING EFFECTS. BACTERIAL INFECTION MAY OCCUR THROUGH OPEN WOUNDS OR BROKEN SKIN.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS *****

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
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NONE	N.AP.	N.AP.	N.AP.
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STATE RIGHT TO KNOW: THIS PRODUCT CONTAINS:
 WATER/7732-18-5, BACTERIAL CULTURES/N.AV.

Section 4. FIRST AID MEASURES *** Page 2 of 4**

EYES: FLOOD EYES WITH LUKEWARM (NOT HOT) WATER Poured FROM A LARGE GLASS 2 OR 3 INCHES FROM EYES. REMOVE CONTACTS. HAVE PATIENT BLINK AS MUCH AS POSSIBLE WHILE FLOODING THE EYES. CONTINUE FOR AT LEAST 15 MINUTES.

SKIN: REMOVE CONTAMINATED CLOTHES, THEN FLOOD WITH WATER.

INHALATION: N.A.P.

INGESTION: DO NOT INDUCE VOMITING. IF PATIENT IS CONSCIOUS AND CAN SWALLOW, ADMINISTER MILK OR WATER.

ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 EXT. 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

NOTE TO PHYSICIAN: CALL 1-800-851-7145 EXT. 075 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES.

Section 5. FIRE-FIGHTING MEASURES *****

FLAMMABILITY: NO HAZARD.

FLASH POINT: N.A.P.

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.

SPECIFIC HAZARDS: N.A.P.

SPECIFIC METHODS: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.

Section 6. ACCIDENTAL RELEASE MEASURES *****

PERSONAL PRECAUTIONS: SEE SECTION 8.

SPILL RESPONSE: EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. PUMP TO CONTAINER OR SOAK UP WITH NON-COMBUSTIBLE INERT ABSORBENT MATERIALS. AFTER SPILL COLLECTION, FLUSH AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. BE CAREFUL AS SPILLS ARE SLIPPERY.

Section 7. HANDLING AND STORAGE *****

HANDLING: FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES.

AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW.

PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS.

HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

STORAGE: ROTATE STOCK REGULARLY. KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F. PROTECT FROM FREEZING. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT IS RECOMMENDED. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION *Page 3 of 4**

EXPOSURE LIMITS: N.AP.

ENGINEERING CONTROLS: NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.

PERSONAL PROTECTION

EYES: SAFETY GLASSES RECOMMENDED.

HANDS: NONE REQUIRED WITH NORMAL USE.

RESPIRATORY: N.AP.

FEET: N.AP.

BODY: N.AP.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES *****

COLOR: MILKY WHITE

ODOR : FLORAL

pH CONCENTRATE: 7.5

pH @ 2500 PPM SOLUTION: N.AP.

pH @ USE DILUTION: N.AP.

PHYSICAL STATE: LIQUID

SPECIFIC GRAVITY: 1.000

VISCOSITY: NON-VISCOUS

BOILING POINT: N.AP.

MELTING POINT: N.AP.

FLASH POINT: N.AP.

UEL: N.AP.

LEL: N.AP.

EVAPORATION RATE: N.AP.

ODOR THRESHOLD: N.AP

VAPOR PRESSURE: N.AP

VAPOR DENSITY: N. AP.

COEFF. OIL/WATER: N.AP.

WATER SOLUBILITY: COMPLETE

OTHER: N.AP.

Section 10. STABILITY AND REACTIVITY *****

STABLE: YES

CONDITIONS TO AVOID: AVOID TEMPERATURES BELOW 35°F OR ABOVE 100°F TO MAINTAIN BIOLOGICAL PROPERTIES.

MATERIALS TO AVOID: AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID OXIDIZING AGENTS. MIX ONLY WITH WATER.

DECOMPOSITION PRODUCTS: FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.

POSSIBILITY OF HAZARDOUS REACTIONS: N.AP.

Section 11. TOXICOLOGICAL INFORMATION *****

ACUTE EFFECTS: SEE SECTION 2.

CHRONIC EFFECTS: NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS, SENSITIZERS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.

LC50/LD50: N.AV.

TARGET ORGANS: NONE KNOWN.

OTHER TOXIC EFFECTS: NONE KNOWN.

Section 12. ECOLOGICAL INFORMATION *** Page 4 of 4**

NOT AVAILABLE.

Section 13. DISPOSAL CONSIDERATIONS*****

DISPOSAL METHOD: COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL 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.

Section 14. TRANSPORT INFORMATION*****

DOT/TDG: NOT REGULATED
DOT RQ: N.AP.
DOT ERG #: N.AP.

Section 15. REGULATORY INFORMATION*****

EPA CERCLA RQ: N.AP.
EPA REGISTERED: NO
EPA %VOC: 0.00
EPA VOC RULE: THIS PRODUCT DOES NOT CONTAIN VOLATILE ORGANIC COMPOUNDS.
KOSHER (CRC): YES
PHOSPHORUS CONTENT: 0.00%
PROPOSITION 65: N.AP.
SARA 311/312 HAZARDS: ACUTE
SARA 313 CHEMICALS: N.AP.
STATE RIGHT TO KNOW: SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.
TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.

Section 16. OTHER INFORMATION*****

NFPA RATING: HEALTH-1/FLAMMABILITY-0/REACTIVITY-0/SPECIAL HAZARD-N.AP.
HMIS RATING: HEALTH-1/FLAMMABILITY-0/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

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