

MATERIAL SAFETY DATA SHEET ****
.....
Information Phone#: (562) 695-1232

MORGAN-GALLACHER, INC.
8707 MILLERGROVE DRIVE
SANTA FE SPRINGS, CA 90670

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EMERGENCY PHONE NUMBER: 1-800-424-9300

BIODISAN PLUS

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SECTION 1 PRODUCT IDENTIFICATION
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PRODUCT NAME OR NUMBER..... BIODISAN PLUS
TRADE NAME OR CHEMICAL NAME..... BIODISAN PLUS
SYNONYMS..... NONE
FORMULA..... PROPRIETARY
CHEMICAL FAMILY..... ACID CLEANER/SANITIZER
MOLECULAR WEIGHT..... N/A
NFPA..... SEE SECTION 8
HMIS RATING..... SEE SECTION 8

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SECTION 2 HAZARDOUS INGREDIENTS / HAZARD DATA
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CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-ACGIH	PEL-OSHA	SEC. 313	NTP	IARC	PROP. 65
PHOSPHORIC ACID	7664-38-2	<20	1 PPM	1 PPM	No	NO	NO	No
IODINE	7553-56-2	<5	0.1 PPM	0.1 PPM	No	NO	NO	No

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SECTION 3 REGULATORY DATA
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NTP..... NATIONAL TOXICOLOGY PROGRAM
IARC..... INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
PROPOSITION 65..... THIS PRODUCT DOES NOT CONTAIN INGREDIENTS ON
THE LIST OF PROPOSITION 65.
STATE OF CALIFORNIA SAFE DRINKING WATER AND
TOXIC ENFORCEMENT ACT OF 1986.
SECTION 313 SARA TITLE III... THE CHEMICAL(S) MARKED WITH A "YBS" ON
SECTION 313 ARE SUBJECT TO THE REPORTING
REQUIREMENTS OF THIS SECTION.

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SECTION 4 PHYSICAL DATA
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BOILING/MELTING POINT @760 mm Hg 212°F
pH..... <1.0
PERCENT VOLATILE BY WEIGHT (%).. 65
SPECIFIC GRAVITY OR BULK DENSITY 1.13
SOLUBILITY IN WATER..... SOLUBLE
APPEARANCE..... DARK BROWN LIQUID
ODOR..... MILD IODINE ODOR

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SECTION 5 FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT OF (Test Method)..... NON-FLAMMABLE

BIODISAN PLUS

SECTION 5

FIRE AND EXPLOSION HAZARD DATA

CONT'D

AUTOIGNITION TEMPERATURE..... NONE
 FLAMMABILITY LIMITS IN AIR (% V) NOT DETERMINED
 EXTINGUISHING MEDIA..... WATER, FOG, CARBON DIOXIDE AND DRY CHEMICAL
 SPECIAL FIRE FIGHTING PROCEDURES WEAR SCUBA & FULL PROTECTIVE EQUIPMENT.
 SPRAY WITH WATER TO MINIMIZED VAPOR AND COOL EQUIPMENT EXPOSED TO HEAT.
 UNUSUAL FIRE & EXPLOSION HAZARDS CONTACT WITH COMMON METALS MAY GENERATE HYDROGEN GAS WHICH CAN FORM FLAMMABLE MIXTURE WITH AIR.

SECTION 6

HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

THRESHOLD LIMIT VALUE.....SEE SECTION 2

SIGNS OF EXPOSURE:

SKIN.....MAY CAUSE IRRITATION AND BURNS.
 EYES.....MAY CAUSE IRRITATION AND CORNEAL BURNS.
 INGESTION.....MAY CAUSE IRRITATION AND BURNS TO MOUTH AND STOMACH.

SECTION 7

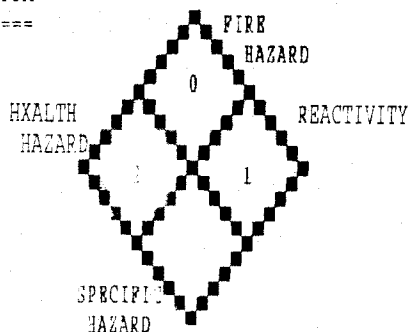
EMERGENCY AND FIRST AID PROCEDURES

INHALATION.....REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, ASSIST BREATHING. SEEK MEDICAL HELP.
 EYE CONTACT.....IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER. REMOVE ANY CONTACT LENSES AND CONTINUE TO PLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONTACT A PHYSICIAN.
 SKIN CONTACT.....IMMEDIATELY WASH SKIN WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE.
 INGESTION.....NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION 8

HMS RATING SYSTEM

NFPA



HMS RATING

HEALTH HAZARD.....2
 FIRE HAZARD.....0
 REACTIVITY.....1
 PERSONAL PROTECTION...: SEE SECTION 10

SECTION 9

REACTIVITY DATA

PRODUCT STABILITY..... STABLE

BIODISAN PLUS

SECTION 9

REACTIVITY DATA

CONT'D

Conditions to Avoid.....

CHEMICAL INCOMPATIBILITY.....	ALKALIS, SULFITES AND SULFIDES. IT CAN REACT WITH METALS TO LIBERATE HYDROGEN, A FLAMMABLE GAS. DO NOT ADD WATER TO ACID.
HAZARDOUS DECOMPOSITION PRODUCTS	A FLAME OR HIGH TEMPERATURE WILL EMIT TOXIC PHOSPHORUS OXIDE FUMES.
HAZARDOUS POLYMERIZATION.....	WILL NOT OCCUR
Conditions to Avoid.....	EXCESSIVE HEAT
CORROSIVE TO METAL.....	YES
OXIDIZER.....	NO

SECTION 10

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION..... Respirator protection is not required under normal use. Use NIOSH/MSHA-approved organic vapor/dust acid-gas respirator.

VENTILATION..... Local exhaust to control to recommended P.E.L.

PROTECTIVE CLOTHING..... Gloves, coveralls, aprons, boots

EYE PROTECTION..... Chemical goggles.

SECTION 11

ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA..... NOT AVAILABLE

SPILL OR LEAK PROCEDURES..... CONTAIN AND PLACED IN APPROVED CONTAINER FOR DISPOSAL. NEUTRALIZE REMAINING TRACES OF MATERIAL WITH SODA ASH, THEN FLUSH WITH WATER.

WASTE DISPOSAL METHOD..... PER LOCAL, STATE AND FEDERAL REGULATIONS.

CONTAINER DISPOSAL..... PER LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 12

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID)
HAZARDOUS SUBSTANCE.....	NONE
D.O.T. HAZARD CLASS.....	8
D.O.T. LABELS REQUIRED.....	CORROSIVE
D.O.T. PLACARDS REQUIRED.....	CORROSIVE
POISON CONSTITUENT.....	NONE
BILL OF LADING DESCRIPTION.....	BIODISAN PLUS
PACKING GROUP.....	III
UN/NA CODE.....	UN 3264

SECTION 13

SUPPLIER INFORMATION

While Morgan Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.