

MATERIAL SAFETY DATA SHEET

MEDIA MASTER®

FLORAN

blueearthlabs
the science of safe water™

SECTION 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME / DESCRIPTION: **MEDIA MASTER®**
DISTRIBUTED / MANUFACTURED BY: **Blue Earth Labs LLC** 4500 SE 59th Street, Oklahoma City, OK 73155
DATE: 07/30/2010
PHONE: (405) 631-1106
EMERGENCY PHONE: (800) 255-3924

SECTION 2

HAZARDOUS COMPONENTS

CHEMICAL NAME	%W/W	CAS Number	TWA ppm	OSHA (ACGIH) EXPOSURE LIMITS			
				TLVs (ACGIH)		mg/m ³	other
mg/m ³	STEL ppm	mg/m ³					
PROPRIETARY INORGANIC/ORGANIC ACID BLEND						1	MFG.

INGREDIENTS HAVE BEEN CERTIFIED BY NSF FOR PRODUCT'S INTENDED USE.
NE = NOT ESTABLISHED

SECTION 3

HEALTH HAZARDS

IRRITATION SKIN SEVERE MODERATE
 EYE SEVERE MODERATE MILD (TRANSIENT)

CORROSIVITY SKIN 4HRS. (DOT) 24 HRS. (CPSC)
 EYE MAY CAUSE BLINDNESS

SENSITIZATION SKIN RESPIRATORY ALLERGEN OTHER: NONE KNOWN

INHALATION EFFECTS NARCOTIC EFFECT CYANOSIS ASPHYXIANT OTHER: NONE KNOWN

LUNG EFFECTS (SPECIFY): NONE KNOWN

OTHER (SPECIFY): REPEATED CONTACT: SKIN DEFATTER OTHER (SPECIFY): NONE KNOWN

SECTION 4

FIRST AID

INGESTION INDUCE VOMITING DON'T INDUCE VOMITING GIVE PLENTY OF WATER
 GET MEDICAL ATTENTION NOTE: NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON

DERMAL FLUSH WITH SOAP & WATER GET MEDICAL ATTENTION
 CONTAMINATED CLOTHING-REMOVED & LAUNDRER CONTAMINATED SHOE DESTROY
 OTHER (SPECIFY): NONE KNOWN

EYE CONTACT FLUSH WITH WATER FOR 15 MINUTES GET MEDICAL ATTENTION
 OTHER (SPECIFY): LIFT EYELIDS FOR PROPER FLUSHING

INHALATION REMOVE TO FRESH AIR IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION
 GIVE OXYGEN GET MEDICAL ATTENTION
 OTHER (SPECIFY): NONE KNOWN

SECTION 5

FIRE AND EXPLOSION DATA

CHARACTERISTICS:

FLASH POINT	NA	FLASH POINT METHOD(S)	NA
UPPER EXPLOSION LIMIT (UEL)	NA	LOWER EXPLOSION LIMIT (LEL)	NA
AUTOIGNITION TEMPERATURE	NA	FIRE HAZARD CLASSIFICATION (OSHA/NFPA)	0

EXTINGUISHING MEDIA

<input type="checkbox"/> WATER SPRAY	<input checked="" type="checkbox"/> WATER FOAM	<input type="checkbox"/> WATER STREAM	<input checked="" type="checkbox"/> DRY CHEMICAL	<input checked="" type="checkbox"/> CO2
<input type="checkbox"/> ALCOHOL FOAM	<input checked="" type="checkbox"/> FOAM	<input type="checkbox"/> EARTH OR SAND	<input checked="" type="checkbox"/> AS REQUIRED FOR FIRE BEING FOUGHT	

SPECIAL FIRE FIGHTING PROCEDURES

<input type="checkbox"/> DON'T ENTER BUILDING	<input type="checkbox"/> DON'T USE WATER
<input type="checkbox"/> ALLOW FIRE TO BURN	<input checked="" type="checkbox"/> USE BREATHING APPARATUS
<input type="checkbox"/> WATER MAY CAUSE FROTHING	OTHER (SPECIFY): NONE KNOWN

UNUSUAL FIRE AND EXPLOSION HAZARDS

<input type="checkbox"/> DUST EXPLOSION HAZARD	<input type="checkbox"/> SENSITIVE TO SHOCK
<input type="checkbox"/> CONTAMINATION	<input type="checkbox"/> TEMPERATUR

OTHER (SPECIFY): FIRE MAY PRODUCE TOXIC GASES OF AMMONIA AND SULFUR OXIDES.

SECTION 6

ACCIDENTAL RELEASE MEASURES

STEP TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

<input type="checkbox"/> FLUSH WITH WATER	<input type="checkbox"/> ABSORB WITH SAND OR INERT MATERIAL	
<input type="checkbox"/> NEUTRALIZE	<input checked="" type="checkbox"/> SWEEP OR SCOOP UP & REMOVE	<input checked="" type="checkbox"/> KEEP UPWIND
<input checked="" type="checkbox"/> PREVENT SPILLS	<input checked="" type="checkbox"/> DISPOSE OF PROMPTLY	

OTHER (SPECIFY): IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 7

HANDLING AND STORAGE

PRECAUTIONARY LABELING

<input checked="" type="checkbox"/> WASH AFTER HANDLING	<input checked="" type="checkbox"/> DON'T GET IN EYES, SKIN, CLOTHING
<input checked="" type="checkbox"/> DON'T BREATHE DUST, VAPOR, GAS	<input checked="" type="checkbox"/> KEEP CONTAINER CLOSED
<input checked="" type="checkbox"/> KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAMES	<input checked="" type="checkbox"/> STORE IN TIGHTLY CLOSED CONTAINERS
<input type="checkbox"/> DON'T STORE NEAR COMBUSTIBLES	<input checked="" type="checkbox"/> KEEP FROM CONTACT WITH CLOTHING
<input checked="" type="checkbox"/> EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUE	OTHER (SPECIFY): NONE KNOWN
<input type="checkbox"/> USE EXPLOSION PROOF EQUIPMENT	

OTHER HANDLING AND STORAGE CONDITIONS: NONE KNOWN

SECTION 8

PERSONAL PROTECTION / EXPOSURE CONTROLS

VENTILATION REQUIREMENTS ALWAYS KEEP EXPOSURE BELOW PERMISSIBLE EXPOSURE LIMITS

<input type="checkbox"/> CONSULT AN INDUSTRIAL HYGIENIST	<input checked="" type="checkbox"/> LOCAL EXHAUST	<input checked="" type="checkbox"/> USE ADEQUATE VENTILATION
<input type="checkbox"/> CHECK FOR AIR CONTAMINANT	OTHER (SPECIFY): NONE KNOWN	

EYE

<input checked="" type="checkbox"/> FACE SHIELD & GOGGLES	<input type="checkbox"/> SAFETY GLASSES	<input checked="" type="checkbox"/> GOGGLES
---	---	---

HAND

<input checked="" type="checkbox"/> BUTYL RUBBER	<input type="checkbox"/> POLYVINYL ALCOHOL	<input type="checkbox"/> POLYVINYL CHLORIDE	<input type="checkbox"/> POLYETHYLEN	<input type="checkbox"/> NATURAL RUBBER
<input type="checkbox"/> NEOPRENE	OTHER (SPECIFY): IMPERVIOUS TO ACIDS			

RESPIRATORY

<input type="checkbox"/> SELF-CONTAINED	<input type="checkbox"/> SUPPLIED AIR	<input type="checkbox"/> CAN OR CARTRIDGE GAS OR VAPOR	<input checked="" type="checkbox"/> FILTER-DUST, FUME, MIST
---	---------------------------------------	--	---

OTHER (SPECIFY): NONE KNOWN

OTHER PROTECTIVE EQUIPMENT

<input checked="" type="checkbox"/> RUBBER BOOTS	<input checked="" type="checkbox"/> APRON
--	---

OTHERS: SAFETY SHOWER AND EYEWASH.

SECTION 9

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	FREE-FLOWING POWDER
COLOR	WHITE
ODOR	ODORLESS
pH	1.2 (1% SOLUTION)
VAPOR PRESSURE (mm Hg)	NA
VAPOR DENSITY (AIR = 1)	NA
BOILING POINT	DECOMPOSES @ 408 DEG F
FREEZING / MELTING POINT	NA
SOLUBILITY IN WATER	> 20 G/L
SPECIFIC GRAVITY (WATER = 1)	>2.10
EVAPORATION RATE (BUTYLACETATE = 1)	NA
VISCOSITY (CPS)	NA
MOLECULAR WEIGHT	NE

NA = NOT APPLICABLE

NE = NOT ESTABLISHED

SECTION 10

STABILITY AND REACTIVITY

STABILITY: STABLE UNSTABLE

CONDITIONS CONTRIBUTING TO INSTABILITY:

THERMAL DECOMPOSITION PHOTO DEGRADATION POLYMERIZATION CONTAMINATION
OTHER (SPECIFY): NONE KNOWN

INCOMPATIBILITY AVOID CONTACT WITH:

STRONG ACIDS STRONG ALKALIS STRONG OXIDIZERS
OTHER (SPECIFY): CHLORINE, HYPOCHLOROUS ACID, HYPOCHLORITES, CYANIDES, SULFIDES

HAZARDOUS DECOMPOSITION PRODUCTS THERMAL & OTHER (LIST):

SULFUR DIOXIDE, SULFUR TRIOXIDE, OXIDES OF NITROGEN AND AMMONIA GAS

CONDITIONS TO AVOID:

HEAT OPEN FLAMES SPARKS IGNITION SOURCES
OTHER (SPECIFY): NONE KNOWN

SECTION 11

TOXICOLOGICAL PROPERTIES

ACUTE TOXICITY EFFECTS DATA: NE

IRRITATION EFFECTS DATA: NE

OTHER ACUTE EFFECTS: NE

SECTION 12

ECOLOGICAL INFORMATION

ECOTOXICITY: NA

ENVIRONMENTAL FATE: NA

ADDITIONAL INFORMATION: NA

SECTION 13

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 TRANSPORT INFORMATION

CORROSIVE LIQUIDS, N.O.S.

(CONTAINS AMINOSULFONIC ACID AND HYDROXYACETIC ACID)

8, UN1759, PGIII

CORROSIVE LABEL / PLACARD REQUIRED

SECTION 15 REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: NA

SARA 312 HAZARD CATEGORY: NA

SARA 313 TOXIC CHEMICALS LIST: NA

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT): NA

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES: NA

CWA (CLEAN WATER ACT) LISTED SUBSTANCES: NA

FDA (FOOD AND DRUG ADMINISTRATION): NA

TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL INGREDIENTS ARE LISTED.

NFPA HAZARD INFORMATION SIGN

[2] HEALTH HAZARD (BLUE DIAMOND)

- 4 DEADLY
- 3 EXTREME DANGER
- 2 HAZARDOUS
- 1 SLIGHTLY HAZARDOUS
- 0 NORMAL MATERIAL

[0] REACTIVITY HAZARD (YELLOW DIAMOND)

- 4 MAY DETONATE
- 3 SHOCK AND HEAT MAY DETONATE
- 2 VIOLENT CHEMICAL CHANGE
- 1 UNSTABLE IF HEATED
- 0 STABLE

[0] FIRE HAZARD (RED DIAMOND)

- FLASH POINTS:
- 4 BELOW 73 F
 - 3 BELOW 100 F
 - 2 BELOW 200 F
 - 1 ABOVE 200 F
 - 0 WILL NOT BURN

[COR] SPECIFIC HAZARD (WHITE DIAMOND)

- | | |
|------|--------------|
| OXY | OXIDIZER |
| ACID | ACID |
| ALK | ALKALI |
| COR | CORROSIVE |
| W | USE NO WATER |

SECTION 16 INTERNATIONAL REGULATIONS

CANADA

DSL: NA

WHMIS HAZARD CLASSIFICATION: NA

WHMIS TRADE SECRET REGISTRY NUMBER(S): 5846

WHMIS HAZARDOUS INGREDIENTS: NA

WHMIS SYMBOLS: NA

EUROPEAN UNION (EU)

EINECS MASTER INVENTORY: NA

EEC PRIMARY RISK SYMBOL: NA

EEC RISK AND SAFETY PHRASES: NA

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.