

***** M A T E R I A L S A F E T Y D A T A S H E E T *****

Version Date.....11/29/10
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505 FLUX

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SECTION 1

PRODUCT IDENTIFICATION

COMPANY NAME WHO SENT MSDS..... HARRISPRODUCTS GROUP
 COMPANY ADDRESS..... 4501 QUALITY PLACE
 MSON OHIO 45040
 EMERGENCY PHONE NUMBER..... (800)-424-9300
 MSDS VERSION NUMBER..... 2
 TRADE NAME..... 505 FLUX

HAZARD RATING (HMIS)..... HEALTH - 1
 FLAMMABILITY - 0
 REACTIVITY - 0
 HMIS DESIGNATION KEY..... 4 - SEVERE HAZARD
 3 - SERIOUS
 2 - MODERATE
 1 - SLIGHT
 0 - MINIMAL

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SECTION 2

HAZARDOUS COMPONENTS

MATERIAL	% BY WEIGHT	CAS NUMBER	OSHA PEL	ACGIH TLV (Mg/M3)	SEC 313
WATER	85-90	7732-18-5		NA	NA
GLUTAMIC ACID HYDROCHLORIDE	5-10	138-15-8		NA	NA
UREA	5	57-13-6		NA	NA

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SECTION 3

PHYSICAL PROPERTIES

BOILING POINT..... 215
 MELTING POINT..... NA
 VAPOR PRESSURE..... NA
 VAPOR DENSITY (AIR = 1)..... NA
 SOLUBILITY IN WATER..... COMPLETE
 SPECIFIC GRAVITY..... 1.03
 EVAPORATION RATE..... >1
 APPEARANCE AND ODOR..... CLEAR, COLORLESS LIQUID WITH NO
 CHARACTERISTIC ODOR.

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SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT..... NA

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SECTION 4FIRE AND EXPLOSION DATA

CONT'D

EXTINGUISHING MEDIA..... NA
SPECIAL PROCEDURES..... NA
UNUSUAL HAZARDS..... USE A SELF-CONTAINED BREATHING APPARATUS.
SMOKE, AMMONIA, CHLORINE GASES MAY EVOLVE

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SECTION 5REACTIVITY DATA

STABILITY..... STABLE
CONDITIONS TO AVOID..... NONE
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR
INCOMPATIBILITY..... STRONG ACIDS: NITRIC OR PERCHLORIC
HAZARDOUS DECOMPOSITION PRODUCTS HYDROGEN CHLORIDE FUMES, AMMONIUM
CARBAMATE, AMMONIA

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SECTION 6HEALTH HAZARD DATA

ROUTES OF ENTRY..... SWALLOWING, INHALATION, SKIN CONTACT, EYE
CONTACT
HEALTH HAZARDS..... SWALLOWING-IRRITATION TO DIGESTIVE SYSTEM.
INHALATION-IRRITANT TO RESPIRATORY SYSTEM,
PRE-EXISTING DISORDERS AGGRAVATED. SKIN
CONTACT-IRRITATION FROM PROLONGED CONTACT.
PRE-EXISTING SKIN DISORDERS AGGRAVATED.
EYE CONTACT-IRRITATION OR CORNEAL BURNS.
CARCINOGENICITY..... NA
SIGNS & SYMPTOMS OF EXPOSURE.... SEE ABOVE
MEDICAL CONDITIONS FROM EXPOSURE SEE ABOVE
EMERGENCY & FIRST AID..... SWALLOWING-CALL PHYSICIAN OR POISON CON-
TROL CENTER, ADVISE SECTION II. SKIN-
WASH THOROUGHLY WITH SOAP AND WATER TO RE-
MOVE ALL RESIDUE. IF RASH OR BURN, CALL
PHYSICIAN. INHALATION-REMOVE TO FRESH AIR
AND CALL PHYSICIAN IF VAPORS OR FUMES
INHALED. EYES-FLUSH THOROUGHLY WITH WATER
FOR AT LEAST 15 MINUTES TO REMOVE ALL RE-
SIDUE. CALL PHYSICIAN.

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SECTION 6

HEALTH HAZARD DATA

CONT'D

ADDITIONAL INFORMATION..... TARGET ORGAN: IRRITANT. MAY BE HARMFUL
IF SWALLOWED OR INHALED. CHRONIC EFFECTS-
NONE CURRENTLY KNOWN.

SECTION 7

PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES..... CONTAIN SPILL, ABSORB, SWEEP-UP AND DIS-
POSE. FLUSH AREA TO CHEMICAL SEWER.

WASTE AND DISPOSAL METHOD..... DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL,
STATE, AND LOCAL REGULATIONS.

HANDLING AND STORING PRECAUTIONS WASH HANDS THOROUGHLY AFTER HANDLING TO R
REMOVE ALL RESIDUE. STORE UNDER AMBIENT
CONDITIONS.

OTHER PRECAUTIONS..... REMOVE AND PROFESSIONALLY WASH CONTAMIN-
ATED CLOTHING BEFORE REUSE. CONTAINS UREA
KIDNEY FUNCTIONS MAY BE AFFECTED.

SECTION 8

CONTROL MEASURES

RESPIRATORY MEASURES..... IF WORK STATION NOT PROPERLY VENTILATED TO
REMOVE ALL FUMES, DUST, AND VAPORS, USE
NIOSH APPROVED MASK.

VENTILATION..... MAINTAIN AIR FLOW AWAY FROM USER TO
EXHAUST ALL FUMES, DUST, AND VAPORS, SO
THAT THE TLV IS NEVER EXCEEDED

PROTECTIVE GLOVES..... CHEMICAL IMPERVIOUS

EYE PROTECTION..... CHEMICAL SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT..... FOR OPERATIONS WHERE CONTACT CAN OCCUR,
COVERALLS, APRON, AND RUBBER FOOT
COVERINGS TO PREVENT ANY CONTACT.

WORK/HYGIENIC PRACTICES..... FOR MAXIMUM SAFETY: BE CERTIFIED FOR, AND
WEAR A RESPIRATOR AT ALL TIMES WHEN
WELDING AND BRAZING.

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SECTION 9

DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WBL

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SECTION 10

ADDITIONAL INFORMATION

TLV AND SOURCE REFERENCES:
ACGIH - NONE ESTABLISHED
OSHA - NONE ESTABLISHED
NA = NOT APPLICABLE

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SECTION 11

ADDITIONAL INFORMATION