

***** 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.....11/30/10
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ARCAL COMPOUND 302

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SECTION 1

PRODUCT IDENTIFICATION

COMPANY NAME WHO SENT MSDS..... HARRIS PRODUCTS GROUP
 COMPANY ADDRESS..... 4501 QUALITY PLACE
 MASON, OHIO 45040
 (513) 754-2000
 EMERGENCY PHONE NUMBER..... (800) 424-9300
 MSDS VERSION NUMBER..... 3
 TRADE NAME..... ARCAL COMPOUND 302

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

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SECTION 2

HAZARDOUS COMPONENTS

<u>MATERIAL</u>	<u>% BY WEIGHT</u>	<u>CAS NUMBER</u>	<u>OSHA PEL</u>	<u>ACGIH TLV (Mg/M3)</u>	<u>SEC 313</u>
HYDROCHLORIC ACID	<23	7647-01-0		5 PPM	YES
METALLIC CHLORIDES	NA	10025-77-1		1932MG/KG RATS	ORAL

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SECTION 3

PHYSICAL PROPERTIES

BOILING POINT..... NA
 MELTING POINT..... NA
 VAPOR PRESSURE..... NA
 VAPOR DENSITY (AIR = 1)..... >1
 SOLUBILITY IN WATER..... PARTIALLY SOLUBLE
 SPECIFIC GRAVITY..... 1.46
 EVAPORATION RATE..... >1
 APPEARANCE AND ODOR..... YELLOW PASTE WITH ACID ODOR

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SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT..... NONE

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SECTION 4

FIRE AND EXPLOSION DATA

CONT'D

EXTINGUISHING MEDIA..... WATER, DRY CHEMICALS, FOAM, USE SELF
CONTAINER BREATHING APPARATUS WHEN
INVOLVED IN FIRE.
SPECIAL PROCEDURES..... KEEP CONTAINER COOL
UNUSUAL HAZARDS..... ACIDIC PRODUCT REACTS WITH METALS TO
PRODUCE HYDROGEN

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SECTION 5

REACTIVITY DATA

STABILITY..... STABLE
CONDITIONS TO AVOID..... NONE KNOWN
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR
INCOMPATIBILITY..... CONCENTRATED ALKALIS AND METALS
HAZARDOUS DECOMPOSITION PRODUCTS HYDROGEN CHLORIDE AND CHLORINE WITH
INCOMPLETE COMBUSTION

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SECTION 6

HEALTH HAZARD DATA

ROUTES OF ENTRY..... SKIN CONTACT, EYE CONTACT AND INHALATION
HEALTH HAZARDS..... SKIN BURNS ON SKIN DUE TO PROLONGED
CONTACT; EYES DAMAGED ON CONTACT;
BREATHING VAPORS AND MIST WILL DAMAGE THE
RESPIRATORY TRACT.

CARCINOGENICITY..... NA
SIGNS & SYMPTOMS OF EXPOSURE.... SEE HEALTH HAZARDS
MEDICAL CONDITIONS FROM EXPOSURE SEVERE BURNS ON SKIN, IRRITATION OF SKIN,
RESPIRATORY TRACT.
SEVERE SKIN BURNS WITH ULCERATION.
REMOVES CALCIUM FROM TISSUES.
EMERGENCY & FIRST AID..... EYE-IF SPLASHED INTO EYES, FLUSH WITH
WATER 15 MINUTES, IF IRRITATION PERSISTS,
CALL PHYSICIAN. SKIN-REMOVE CONTAMINATED
CLOTHING AND WASH SKIN THOROUGHLY WITH
SOAP AND WATER OR DILUTION OF ZEPHRIAM OR

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SECTION 6

HEALTH HAZARD DATA

CONT'D

ADDITIONAL INFORMATION..... CALCIUM GLUCONATE. INHALATION-IF OVERCOME BY VAPOR, REMOVE FROM EXPOSURE, CALL DR. IMMEDIATELY. IF BREATHING IRREGULAR OR STOPPED, START RESUSCITATION, ADMINISTER OXYGEN. INGESTION-DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION 7

PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES..... FLUSH SMALL AMOUNTS TO DRAIN, COLLECT AND TREAT LARGE AMOUNTS WITH SODIUM BICARBONATE TO COUNTERACT ACIDITY AND DISPOSE TO SOLID WASTER.

WASTE AND DISPOSAL METHOD..... PH ADJUSTMENT AND DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

HANDLING AND STORING PRECAUTIONS STORE IN COOL DRY PLACE

OTHER PRECAUTIONS..... MINIMIZE BREATHING VAPOR, MIST OF FUMES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. REMOVE CONTAMINATED CLOTHING, LAUNDRY OR DRY-CLEAN BEFORE REUSE. REMOVE CONTAMINATED SHOES AND THOROUGHLY CLEAN BEFORE REUSE; DISCARD IF SOAKED. CLEAN SKIN THOROUGHLY AFTER CONTACT BEFORE BREAK AND MEALS, AND AT END OF WORK PERIOD. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP AND WATER. DOT: HYDROCHLORIC ACID SOLUTION/8 (CORROSIVE)/UN1789/PKG. GRP. II

SECTION 8

CONTROL MEASURES

RESPIRATORY MEASURES..... USE SUPPLIED AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES IF NEEDED.

VENTILATION..... USE ONLY WITH VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OR VAPOR IN AIR.

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SECTION 8

CONTROL MEASURES

CONT'D

PROTECTIVE GLOVES..... USE NON-ABSORBENT, RUBBER TYPE GLOVES TO
AVOID PROLONGED OR REPEATED SKIN CONTACT.
EYE PROTECTION..... USE SPLASH GOGGLES OR FACE SHIELD WHEN EYE
CONTACT MAY OCCUR
OTHER PROTECTIVE EQUIPMENT..... USE CHEMICAL-RESISTANT APRON OR OTHER
IMPERVIOUS CLOTHING, IF NEEDED, TO AVOID
CONTAMINATING REGULAR CLOTHING WHICH COULD
RESULT IN PROLONGED OR REPEATED SKIN CON-
TACT.
WORK/HYGIENIC PRACTICES..... KEEP CONTAINERS AND STORAGE CONTAINERS
CLOSED WHEN NOT IN USE. DO NOT STORE NEAR
HEAT, SPARKS, FLAME OR STRONG OXIDANTS.
WEAR ACID RESISTANT GLOVES AND CLOTHING.

SECTION 9

DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WEL

SECTION 10

ADDITIONAL INFORMATION

TRANSPORTATION INFORMATION- CONSUMER COMMO
DITY, ORM-D
WORK/HYGIENIC PRACTICES: FO
R MAXIMUM SAFETY: BE
CERTIFIED FOR, AND WEAR A RESPIRATOR ATAL
L TIMES WHEN WELDING AND OR BRAZING.

SECTION 11

ADDITIONAL INFORMATION