

17 FLUX

MATERIAL SAFETY DATA SHEET

01/11/00

MSDS PROVIDED BY:
STOODY INDUSTRIAL AND WELDING SUPPLY, INC.
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MILITARY EMERGENCY RESPONSE NUMBER 1-800-851-8061

VERSION DATE 01/03/96 (REPRODUCED SIWS)

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SECTION 1

PRODUCT IDENTIFICATION

COMPANY NAME WHO PROVIDED MSDS..... HARRIS WELCO. DIV. OF J.W. HARRIS CO., INC.
COMPANY ADDRESS..... 1051 YORK RD
KINGS MOUNTAIN, NC 28086
EMERGENCY PHONE NUMBER..... (800)-424-9300
MSDS VERSION NUMBER..... 2
TRADE NAME..... 17 FLUX
HAZARD RATING (HMIS)..... NA
HMIS DESIGNATED KEY..... NA

SECTION 2

HAZARDOUS COMPONENTS

Table with 5 columns: MATERIAL, % BY WEIGHT, CAS NUMBER, ACGIH TLV (Mg/M3), SEC 313. Rows include BORIC ACID, BORAX, and WATER.

SECTION 3

PHYSICAL PROPERTIES

BOILING POINT..... 212
MELTING POINT..... NA
VAPOR PRESSURE..... NA
VAPOR DENSITY (AIR=1)..... NA
SOLUBILITY IN WATER..... MODERATE
SPECIFIC GRAVITY..... 1.32
EVAPORATION RATE..... NA
APPEARANCE AND ODOR..... SMOOTH GREEN PASTE WITH NO CHARACTERISTIC ODOR.

SECTION 4

FIRE AND PXPLOSION DATA

FLASH POINT..... NA
EXRINGUISHING MEDIA..... NONE, PRODUCT IS AN INHERENT FIRE RETARDANT.
SPECIAL PROCEDURES..... NA
UNUSUAL HAZARDS..... NA

SECTION 5

REACTIVITY DATA

STABILITY..... STABLE
CONDITIONS TO AVOID..... NA
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.
INCOMPATIBILITY..... ACETIC ANHYDRIDE, ELEMENTAL POTASSIUM.
HAZARDOUS DECOMPOSITION PRODUCTS..... NONE

SECTION 6

HEALTH HAZARD DATA

ROUTES OF ENTRY..... SWALLOWING, INHALATION, SKIN CONTACT, EYE CONTACT.
HEALTH HAZARDS..... SWALLOWING - NAUSEA, VOMITING, DIARRHEA. INHALATION - IRRITATION TO RESPIRATORY SYSTEM, SNEEZING, COUGHING, LUNG DISORDERS WILL BE AGGREGATED. SKIN CONTACT - DERMATITIS, PRE-EXISTING SKIN DAMAGE WILL BE AGGRAVATED. EYE CONTACT - IRRITATION TO EYE SURFACES.
CARCINOGENICITY..... NA
SIGNS & SYMPTOMS OF EXPOSURE..... SEE ABOVE.
MEDICAL CONDITIONS FROM EXPOSURE..... SEE ABOVE.

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EMERGENCY & FIRST AID.....	SWALLOWING – CALL PHYSICIAN OR POISON CENTER. SKIN – FLUSH WITH WATER FOR 15 MINUTES TO REMOVE ALL RESIDUE. CALL PHYSICIAN IF RASH. INHALATION – REMOVE TO FRESH AIR, CALL PHYSICIAN IF FUMES INHALED. EYES – FLUSH WITH WATER AT LEAST 15 MINUTES, GET MEDICAL ATTENTION.
ADDITIONAL INFORMATION	TARGET ORGAN: MAY BE HARMFUL IF SWALLOWED IRRITATING TO SKIN AND EYES. CHRONIC EFFECTS: COUGHING, CNS EFFECTS, ERYTHEMA AND NAUSEA. NOTE: WHEN USED AS INTENDED, FUMES OF BORON OXIDE WILL BE GIVEN OFF WHICH ARE HAZARDOUS.

SECTION 7

PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES.....	CONTAIN SPILL, ABSORB, SWEEP-UP, DISPOSE. FLUSH AREA WITH WATER TO CHEMICAL SEWER. AVOID BREATHING DUST.
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 REMOVE ALL RESIDUE. STORE FLUX UNDER AMBIENT CONDITIONS.
OTHER PRECAUTIONS.....	REMOVE AND PROFESSIONALLY WASH CONTAMINATED CLOTHING BEFORE RE-USE.

SECTION 8

CONTROL MEASURES

RESPIRATORY MEASURES	IF THE WORK STATION IS NOT VENTILATED TO REMOVE ALL DUST AND FUMES, USE NIOSH APPROVED MASK.
VENTILATION	MAINTAIN AIR FLOW AWAY FROM USER TO EXHAUST ALL DUST AND FUMES, SO THAT THE TLV IS NEVER EXCEEDED.
PROTECTIVE GLOVES.....	CHEMICAL IMPERVIOUS.
EYE PROTECTION	CHEMICAL SAFETY GOGGLES.
OTHER PROTECTIVE EQUIPMENT	FULL PROTECTION EQUIPMENT AS IS USED IN BRAZE/WELDING OPERATIONS, SO AS TO PREVENT ANY CONTACT.
WORK/HYGIENIC PRACTICES	FOR MAXIMUM SAFETY: BE CERTIFIED FOR, AND WEAR A RESPIRATOR AT ALL TIMES WHEN WELDING OR BRAZING.

SECTION 9

DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WELCO MAKES NO WARRANTY TO AND DISCLAIMS ALL LIABILITY FROM RELIANCE ON THIS DATA.

SECTION 10

ADDITIONAL INFORMATION

TLV AND SOURCE REFERENCES: 26.83 MG/M3 PER TLV'S FOR MIXTURES IN ACGIH.
OSHA PEL: 15 MG/ME AS BORON OXIDE MATERIAL AS AN OSHA NUISANCE DUST, PEL:
10 MG/M3./
NA = NOT APPLICABLE.