

***** MATERIAL SAFETY DATA SHEET *****

Version Date.....10/28/10 SOLAR FLUX TYPE B A=SILICA, CRYSTALLINE
 Print Date.....10/28/10

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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..... 1
 TRADE NAME..... SOLAR FLUX TYPE B

HAZARD RATING (HMIS)..... HEALTH-3
 FLAMMABILITY-0
 REACTIVITY-0
 OTHER-1
 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>
FREE CRYSTALLINE SILICA	6-12	14808-60-7		0.1MG/M3 (1)	NA
NON - HAZARDOUS INGREDIENTS	88-94	NA		NA	NA

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SECTION 3 PHYSICAL PROPERTIES

BOILING POINT..... 3060 F
 MELTING POINT..... NA
 VAPOR PRESSURE..... NA
 VAPOR DENSITY (AIR = 1)..... NA
 SOLUBILITY IN WATER..... % BY WT. 4.2 GM/ML
 SPECIFIC GRAVITY..... (H2O = 1) 2.2
 EVAPORATION RATE..... ZERO
 APPEARANCE AND ODOR..... DARK GRAY POWDER, ODORLESS

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SECTION 4 FIRE AND EXPLOSION DATA

FLASH POINT..... NA

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SECTION 4

FIRE AND EXPLOSION DATA

CONT'D

EXTINGUISHING MEDIA..... NA
SPECIAL PROCEDURES..... NONE
UNUSUAL HAZARDS..... NONE

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SECTION 5

REACTIVITY DATA

STABILITY..... NA
CONDITIONS TO AVOID..... NA
HAZARDOUS POLYMERIZATION..... NA
INCOMPATIBILITY..... NA
HAZARDOUS DECOMPOSITION PRODUCTS NA

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SECTION 6

HEALTH HAZARD DATA

ROUTES OF ENTRY..... SKIN CONTACT, EYE, INHALATION, INGESTION-
OF NUISANCE DUST.
HEALTH HAZARDS..... SKIN AND EYE CONTACT - WASH WITH SOAP AND
WATER. IF IRRITATION OCCURS AND PERSISTS
SEE A DOCTOR.
INHALATION - KEEP AREA WELL VENTILATED TO
PREVENT INHALING DUST, NO SPECIAL AID PRO-
CEDURES REQUIRED UNLESS ENORMOUS QUAN-
TITIES INHALED.
INGESTION - DRINK PLENTY OF WATER & INDUCE
VOMITING. SEE A DOCTOR.
CARCINOGENICITY..... THE STATE OF CALIFORNIA REQUIRES THE FOL-
LOWING INFORMATION: WARNING: THIS PRODUCT
CONTAINS A CHEMICAL KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER.
SIGNS & SYMPTOMS OF EXPOSURE.... NA
MEDICAL CONDITIONS FROM EXPOSURE REPEATED INHALATION AND PROLONGED OVER
EXPOSURE ABOVE TLV COULD RESULT IN DELAYED
LUNG INJURY (SILICOSIS).
EMERGENCY & FIRST AID..... SEEK MEDICAL ATTENTION IF NEEDED.

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SECTION 6

HEALTH HAZARD DATA

CONT'D

SEE 29 CFR 1910.1200.
ADDITIONAL INFORMATION..... SOLAR FLUX CONTAINS 6-12% CRYSTALLINE
SILICA, WHICH IS A FIBROGENIC MATERIAL
WHICH CAN CAUSE A DISABLING PULMONARY
FIBROSIS KNOWN AS SILICOSIS AFTER PRO-
LONGED INHALATION OF THE DUST.

SECTION 7

PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL AND LEAK PROCEDURES..... INERT DRY POWDER. SWEEP UP AND DISCARD IN
SOLID WASTE.
WASTE AND DISPOSAL METHOD..... DISPOSE OF IN ACCORDANCE WITH FEDERAL,
STATE, AND LOCAL REGULATIONS.
NOT CLASSIFIED AS TOXIC WASTE.
HANDLING AND STORING PRECAUTIONS LABEL ALL CONTAINERS ACCORDINGLY.
OTHER PRECAUTIONS.....
USE IN WELL VENTILATED AREA.

SECTION 8

CONTROL MEASURES

RESPIRATORY MEASURES..... STANDARD FOR WELDING
VENTILATION..... WELL VENTILATED AREA. LOCAL EXHAUST.
STANDARD FOR WELDING
PROTECTIVE GLOVES..... STANDARD FOR WELDING
EYE PROTECTION..... STANDARD FOR WELDING
OTHER PROTECTIVE EQUIPMENT..... REFER TO 29 CFR 1910.1200 FOR ALL PROTECT-
IVE CLOTHING/EQUIPMENT THAT IS REQUIRED.
WORK/HYGIENIC PRACTICES..... FOR MAXIMUM SAFETY: BE CERTIFIED FOR, AND
WEAR A RESPIRATOR AT ALL TIMES WHEN WELD-
ING AND OR BRAZING.

SECTION 9

DISCLAIMER

THIS DATA IS BELIEVED TO BE ACCURATE. HARRIS WELC

SECTION 10

ADDITIONAL INFORMATION

NA= NOT APPLICABLE

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SECTION 10

ADDITIONAL INFORMATION

CONT'D

CARCINOGENITY INFORMATION: SILICA, CRYST-
ALLINE (AIRBORNE PARTICLES OF RESPIRABLE
SIZE) ARE REQUIRED BY OSHA TO BE CONSIDER-
ED CARCINOGENIC.

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SECTION 11

ADDITIONAL INFORMATION