

MATERIAL SAFETY DATA SHEET

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DATE PRINTED: 4-26-2011

PRODUCT NAME: E-Z PATCH® CLEAR ACRYLIC NON-SKID COATING

HMIS CODES: H F R

SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: R.A. BROOKS, INC. DBA E-Z PRODUCTS
ADDRESS: 32449 N. 66 ST.
CAVE CREEK, AZ 85331

INFORMATION PHONE: 888-439-7282

SECTION II – HAZARDOUS INGREDIENTS / SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mmHg @ TEMP	WEIGHT PERCENT
* ETHYLENE GLYCOL MONOBUTYL ETHER NIOSH: TWA = 25.0 PPM, STEL = NOT ESTABLISHED, CEILING = NOT ESTABLISHED OSHA: PEL = 25.0 PPM, STEL = NOT ESTABLISHED, CEILING = NOT ESTABLISHED IDLH = 700.0 PPM	0000111-76-2	.88 77.0 F	7

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
N/A

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING RANGE:	336.0 F	SPECIFIC GRAVITY (H20=1):	1.06
VAPOR DENSITY:	HEAVIER THAN AIR	EVAPORATION RATE:	SLOWER THAN ETHER
COATING V.O.C.:	1.79 lb / gal	MATERIAL V.O.C.:	0.94 lb / gal
SOLUBILITY IN WATER:	DILUTABLE		
APPEARANCE AND ODOR:	VISCIOUS WHITE OR COLORED OPAQUE LIQUID HAVING A MILD ODOR		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 150.0 F
FLAMMABLE LIMITS IN AIR BY VOLUME -
METHOD USED:
LOWER: 01.1% UPPER: 10.6%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL AND WATER FOG

SPECIAL FIREFIGHTING PROCEDURES:
WEAR SELF CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF SMOKE AND VAPORS

UNUSUAL FIRE AND EXPLOSION HAZARDS:
CLOSED CONTAINERS CAN RUPTURE WHEN EXPOSED TO EXTREME HEAT
MATERIAL CAN SPLATTER AT TEMPERATURES ABOVE 212 F.

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SECTION V – REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID:

EXCESSIVE HEAT OR FREEZING

INCOMPATIBILITY (MATERIALS TO AVOID):

MATERIALS WHICH ARE WATER REACTIVE, STRONG ALKALINE OR STRONG ACIDIC

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

AFTER EVAPORATION OF WATER, POLYMER CAN BURN AND PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI – HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

HEADACHE, NAUSEA AND IRRITATION OF NOSE, THROAT AND LUNGS

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

IRRITATION OF SKIN AND EYES

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

NONE RECOGNIZED

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

MATERIAL CAN BE HARMFUL IF INGESTED

NAUSEA, DIARRHEA AND GASTROINTESTINAL IRRITATION

HEALTH HAZARDS (ACUTE AND CHRONIC)

NONE RECOGNIZED

CARCINOGENICITY: NTP CARCINOGEN: NO IARC MONOGRAPHS: NO OSHA REGULATED: NO
N/A

MEDICAL CONDITIONS GENERALLY AGGREGATED BY EXPOSURE:

RESPIRATORY CONDITIONS, HEADACHES, NAUSEA AND DIZZINESS

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: OBTAIN MEDICAL ATTENTION AT ONCE

EYE CONTACT: FLUSH WITH CLEAN WATER FOR 15 MINUTES AND OBTAIN MEDICAL ATTENTION

INHALATION: REMOVE TO FRESH AIR AND OBTAIN MEDICAL ATTENTION

SKIN CONTACT: WASH WITH SOAP AND WATER, OBTAIN MEDICAL ATTENTION IF IRRITATION IS SEVERE OR PERSISTENT

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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

IMMEDIATELY SOAK UP SPILL WITH ABSORBANT MATERIAL SUCH AS RAGS, CLAY SAND, ETC.

LARGE SPILLS SHOULD BE DIKED AND TRANSFERRED TO A SAFE CONTAINER

WASTE DISPOSAL METHOD:

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

DO NOT DROP OR PUNCTURE CONTAINER

DO NOT EXPOSE TO FREEZING TEMPERATURE

DO NOT EXPOSE TO HIGH TEMPERATURE

OTHER PRECAUTIONS:

NONE RECOGNIZED

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION:

USE OF A NIOSH APPROVED CARTRIDGE RESPIRATOR IS RECOMMENDED

USE OF A SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED WHEN VENTILATION IS POOR OR LIMITED

VENTILATION:

LOCAL EXHAUST AND GOOD GENERAL VENTILATION RECOMMENDED

PROTECTIVE GLOVES:

CHEMICAL RESISTANT PLASTIC OR RUBBER GLOVES

EYE PROTECTION:

SAFETY GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

IMPERVIOUS CLOTHING SUFFICIENT TO PREVENT SKIN CONTACT

WORK / HYGIENIC PRACTICES:

AVAILABILITY OF SOAP AND CLEAN WATER FOR WASHING AND EYE FLUSH

AVAILABILITY OF CLEAN CHANGE OF CLOTHS

AVAILABILITY OF BARRIER CREAMS AND LOTIONS

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NON SKID GRIP

GENERAL DESCRIPTION:	MICROSPHERES BASED ON ALUMINA SILICATE
SPECIFIC GRAVITY:	APPROXIMATELY 0.7 g/cc
PARTICLE SIZE:	MINIMUM 5 MICRONS MAXIMUM 540 MICRONS MEAN 130 MICRONS
MELTING POINT:	1200 – 1350 DEGREES C
LOSS OF IGNITION:	MAXIMUM 2%
SOLUBILITY:	NEGLIGIBLE IN WATER OR ORGANIC SOLVENTS
COLOR:	PALE TO MID GRAY
APPEARANCE:	FREE FLOWING POWDER
ODOR:	VIRTUALLY NONE, OCCASIONAL EARTHY ODOR
Ph:	6.0 – 8.0
BOILING POINT:	NOT APPLICABLE
PERCENTAGE VOLATILES:	NOT APPLICABLE
FLASH POINT:	NOT APPLICABLE
INCOMPATIBILITY (MATERIALS TO AVIOD):	NONE
CAS#: 68131-74-8 (FLY ASH)	
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE
HARDNESS:	5 (MOHS SCALE)
FLAMMABILITY:	NON-COMBUSTIBLE
REACTIVITY:	INERT SILICATE GLASS OF VERY LOW REACTIVITY
EXPLOSION RISK:	NONE

HEALTH INFORMATION

1. EYES

EFFECT ON CONTACT	MAY CAUSE MINOR EYE IRRATION.
PROTECTION	EYE PROTECTION SHOULD BE WORN.
FIRST AID	WASH EYES COPIOUSLY WITH WATER AND IF IRRITATION PERSISTS, SEEK MEDICAL HELP.

2. SKIN

EFFECT ON CONTACT	MAY CAUSE TRANSIENT SKIN IRRITATION.
PROTECTION	OVERALLS, GLOVES, BOOTS AND HELMETS ARE ADVISABLE TO GIVE PROTECTION AGAINST DUST WHEN WORN IN COMBINATION WITH SUITABLE RESPIRATORY PROTECTION.
FIRST AID	REMOVE FROM SKIN BY WASHING THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ADVICE.

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3. INHALATION

EFFECT ON RESPIRATORY SYSTEM

ACUTE – MAY CAUSE COUGH AND MILD RESPIRATORY TRACT IRRITATION AT HIGH EXPOSURE LEVELS.

PROTECTION

NIOSH/OSHA APPROVED RESPIRATOR MUST BE WORN.
NOTE: AIR MONITORING MUST BE CARRIED OUT PRIOR TO ENTRY BY PERSONNEL INTO AREAS LIKELY TO CONTAIN HIGH CONCENTRATIONS OF AIRBORNE DUST. RESPIRATORY PROTECTION EQUIPMENT SHALL BE WORN CAPABLE OF PROVIDING PROTECTION COMMENSURATE WITH THE MAXIMUM RECORDED LEVELS, i.e. TO ENSURE THAT THE NORMAL PROTECTION FACTOR OF THE RESPIRATOR IS ADEQUATE.

FIRST AID

REMOVE FROM EXPOSURE.

4. INGESTION

(UNLIKELY A PROBLEM)

EFFECT GASTRO-INTESTINAL SYSTEM

NO KNOWN ADVERSE HEALTH EFFECTS.

PROTECTION

WASH HANDS BEFORE EATING OR SMOKING.

FIRST AID

IF INGESTED, DRINK PLENTY OF WATER AND SEEK MEDICAL ADVICE.

5. STORAGE

DRY

KEEP IN ENCLOSED CONTAINERS, SILOS OR IN SEALED BAGS.

WET

ENSURE SURFACE DOES NOT DRY OUT.

TOXICOLOGY INFORMATION

· TYPICALLY 65 pg/ g NATO / CCMS TCDD EQUIVALENT

· (pg – A PICOGRAM IS ONE MILLIONTH OF A GRAM

BASED ON THE NATO COMMITTEE ON CHALLENGES TO MODERN SOCIETY (CCMS) WHICH EQUATES TOXIC EQUIVALENT FACTORS (TEQS) TO TETRACHLORODIBENZO-P-DIOXIN (TCDD).

THIS LEVEL IS ONLY SLIGHTLY GREATER THAN THE NORMAL RANGE OF 10-40 pg/ g FOUND IN SOILS WITH NO KNOWN DIOXIN CONTAMINATION.

EXPOSURE STANDARDS

EXPOSURE SHOULD BE CONTROLLED TO THE MINIMUM THAT IS REASONABLY PRACTICABLE AND SHOULD NOT EXCEED 10 mg/ m(-3) 8 HOUR TWA INHALABLE DUST.

DUE TO THE VIRTUAL ABSENCE OF RESPIRABLE DUST (i.e. PARTICLES BELOW 5 MICRONS), EFFECTS OF LONG-TERM EXPOSURE ARE MINIMAL.

TRACE MINERALS

THE HEALTH AND SAFETY EXECUTIVE REPORT ISBN 0 11 886391 6 CONCLUDES THAT AN EXPOSURE STANDARD OF 10 mg/ m(-3) 8 HOUR TWA WILL CONTROL THE LEVEL OF TRACE METALS (i.e. ANTIMONY, SELENIUM, THORIUM, COPPER, COLBALT AND VANADIUM) WHICH MAY BE PRESENT AT TRACE LEVELS, TO BELOW THEIR INDIVIDUAL OCCUPATIONAL EXPOSURE STANDARDS.

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CRYSTALLINE SILICA

AVOID GRINDING OR MILLING WHICH MAY GENERATE LEVELS OF CRYSTALLINE SILICA IN EXCESS OF 0.1%. RESPIRABLE CRYSTALLINE SILICA MAY CAUSE SERIOUS LUNG PROBLEMS AND THERE IS LIMITED EVIDENCE SILICA IS A CARCINOGEN.

Disclaimer: E-Z Products believes the information contained herein is accurate. However, E-Z Products makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained by the use thereof. E-Z Products assumes no responsibility for injury from the use of the product described herein.

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