

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

KRA

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PRODUCT NAME: Kahrs Releaseable Adhesive
PRODUCT CODE: KRA

HMIS CODES: H F R P
1 0 0 B

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

MANUFACTURER'S NAME: Kahrs International Inc.
ADDRESS : 940 Centre Circle #1000
Altamonte Springs, FL 32714

EMERGENCY PHONE : 1-800-535-5053 DATE PRINTED : 2/26/2007
INFORMATION PHONE : 1-800-800-5247 NAME OF PREPARER : R&D LAB

=====**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**=====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
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*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

=====**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**=====

BOILING RANGE: 212 DF SPECIFIC GRAVITY (H2O=1): 1.01
VAPOR DENSITY: UNKNOWN EVAPORATION RATE: SLOWER THAN N-BUTYL
ACETATE

COATING V.O.C.: 0.0 lb/gl MATERIAL V.O.C.: 0.0 lb/gl

SOLUBILITY IN WATER: DISPERSIBLE

APPEARANCE AND ODOR: WHITE TO CREAM COLORED LIQUID/SLIGHT ACRYLATE ODOR

=====**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**=====

FLASH POINT: TO BE DETERMINED METHOD USED: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES

WHEN DRIED POLYMER BURNS, WATER (H2O), CARBON DIOXIDE (CO2), CARBON MONOXIDE (CO) AND SMOKE ARE PRODUCED. PYROLYSIS PRODUCTS MAY INCLUDE SOME HAZARDOUS MATERIAL. WEAR POSITIVE PRESSURE SCBA APPARATUS AND PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

THERE ARE NO UNUSUAL FIRE OR EXPLOSION HAZARDS

=====**SECTION V - REACTIVITY DATA**=====

STABILITY: STABLE
CONDITIONS TO AVOID

AVOID CONDITIONS WHERE CONTAMINATION WITH STRONG OXIDIZING AGENTS OR WATER SENSITIVE MATERIALS MAY OCCUR. SEE BELOW.

INCOMPATIBILITY (MATERIALS TO AVOID)

REACTS WITH STRONG OXIDIZING AGENTS AND ANY WATER SENSITIVE MATERIAL. EXERCISE CAUTION. READ MSDS POSTER GUIDE.

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE FUMES CONTAINING CARBON DIOXIDE (CO₂), CARBON MONOXIDE (CO), OXIDES OF NITROGEN WHEN HEATED TO DECOMPOSITION

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR N/A

=====**SECTION VI - HEALTH HAZARD DATA**=====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

IF INHALED, VAPORS MAY CAUSE RESPIRATORY IRRITATION, NAUSEA, HEADACHE. MOVE VICTIM TO FRESH AIR AND, IF BREATHING IS DIFFICULT, GET MEDICAL HELP.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

OVEREXPOSURE MAY CAUSE SKIN AND EYE IRRITATION. WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF SPLASHED IN THE EYE, FLUSH WITH COPIOUS QUANTITIES OF WATER AND SEEK MEDICAL ADVICE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

TO AVOID ANY POSSIBLE SKIN IRRITATION, IT IS DESIRABLE TO MINIMIZE SKIN CONTACT WITH THIS PRODUCT AS FAR AS POSSIBLE.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SMALL INGESTED AMOUNTS ARE NOT BELIEVED TO PRODUCE ADVERSE HEALTH EFFECTS. IF LARGER AMOUNTS (AT LEAST SEVERAL OUNCES) ARE SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION BECAUSE THE MATERIAL WILL COAGULATE (SOLIDIFY) IN THE DIGESTIVE TRACT.

HEALTH HAZARDS (ACUTE AND CHRONIC)

NO ACUTE OR CHRONIC HEALTH HAZARDS REPORTED.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

VAPORS MAY CAUSE EYE AND RESPIRATORY IRRITATION. HOWEVER, NO MEDICAL CONDITIONS ARE KNOWN TO BE AGGRAVATED BY EXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES

WASH THE SKIN THOROUGHLY WITH SOAP AND WATER. IF SPLASHED IN THE EYE, FLUSH WITH COPIOUS AMOUNTS OF WATER AND SEEK MEDICAL ADVICE IF IRRITATION PERSISTS. INHALATION: MOVE VICTIM TO FRESH AIR AND SEEK MEDICAL HELP IF BREATHING IS DIFFICULT. INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION. LARGER AMOUNTS (AT LEAST SEVERAL OUNCES) SHOULD, UNDER MEDICAL SUPERVISION, BE REMOVED FROM THE STOMACH BY INDUCED VOMITING OR ASPIRATION. FOLLOW MEDICAL ADVICE.

=====**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CONTAIN SPILL. RECOVER AS MUCH AS POSSIBLE FOR REUSE. ABSORB REMAINDER WITH AN INERT MATERIAL. PLACE IN CLOSED CONTAINER AND STORE IN A SAFE LOCATION FOR DISPOSAL. WASH AREA WITH SOAP AND WATER. USE CAUTION TO AVOID FALLS WHEN WET.

WASTE DISPOSAL METHOD

DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. MOST STATES PROHIBIT DISPOSAL OF LIQUIDS IN LANDFILLS. POLYMER (SOLIDS) CAN BE SEPARATED FROM LIQUID LATEX THROUGH COAGULATION BY THE ADDITION OF 0.3% CALCIUM CHLORIDE. PLACE SOLIDS INTO A CONTAINER FOR DISPOSAL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

MINIMIZE SKIN CONTACT. USE ONLY IN WELL VENTILATED AREAS. OBSERVE ALL HAZARD PRECAUTIONS OUTLINED IN THE MSDS. WASH HANDS WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

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OTHER PRECAUTIONS

KEEP CLOSURE TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE. STORE ONLY IN WELL VENTILATED AREAS INDOORS AT TEMPERATURES NOT BELOW 50 DF. KEEP FROM FREEZING.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

NONE REQUIRED

VENTILATION

EFFECTIVE EXHAUST VENTILATION SHOULD ALWAYS BE PROVIDED TO DRAW MISTS, FUMES AND VAPORS AWAY FROM WORKERS TO PREVENT ROUTINE INHALATION.

PROTECTIVE GLOVES

RECOMMENDED

EYE PROTECTION

WEAR SAFETY GOGGLES TO PREVENT EYE CONTACT.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NONE

WORK/HYGIENIC PRACTICES

USE GOOD HOUSEKEEPING PROCEDURES. EYE WASH FOUNTAIN AND SAFETY SHOWER SHOULD BE READILY AVAILABLE.

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