

KLINGER RICHARD INC -- KLINGER UNIVERSAL -- 5330-00-469-1641

===== Product Identification =====

Product ID:KLINGER UNIVERSAL

MSDS Date:07/26/1989

FSC:5330

NIIN:00-469-1641

MSDS Number: BNPPN

=== Responsible Party ===

Company Name:KLINGER RICHARD INC

Address:2350 CAMPBELL RD

City:SIDNEY

State:OH

ZIP:45365-9501

Country:US

Info Phone Num:513-498-1181

Emergency Phone Num:513-498-1181

Preparer's Name:B

MELLORS

CAGE:9U500

=== Contractor Identification ===

Company Name:KLINGER RICHARD INC

Address:2350 CAMPBELL RD

Box:City:SIDNEY

State:OH

ZIP:45365-9501

Country:US

Phone:937-498-1181

CAGE:9U500

Company Name:LUCAS AEROSPACE INC, PRODUCT SUPPORT DIVISION

Address:30 VAN NOSTRAND AVENUE

Box:City:ENGLEWOOD

State:NJ

ZIP:07631-4396

Country:US

Phone:201-567-6400

CAGE:8T061

===== Composition/Information on Ingredients =====

Ingred Name:ASBESTOS, CHRYSOTILE

CAS:12001-29-5

RTECS #:CI6478

500

Fraction by Wt: 70-80%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 FIBERS/CC

ACGIH TLV:2 FIBERS/CC; A1;9192

===== Hazards Identification =====

LD50 LC50 Mixture:0.2 FIBERS/CC AS 8-HOUR TWA (ASBESTOS)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:IN FINISHED FORM, NO KNOWN HEALTH HAZARD. A CHRONIC HEALTH HAZARD MAY BE CREATED IF FURTHER PROCESSING

OF THE SHEET ALLOWS ASBESTOS FIBERS TO BE RELEASED INTO THE ATMOSPHERE. INHALATION OF FREE ASBESTOS FIBER OVER A LONG PERIOD OF TIME CAN CAUSE LUNG DISORDERS: ASBESTOSIS, PLEURAL PLAQUE, LUNG CANCER & MESOTHELIOMA.

Explanation of Carcinogenicity:CONTAINS CRYSTOTILE ASBESTOS

Effects of Overexposure:DIFFICULTY BREATHING, CHEST PAIN, COUGHING, AND FINGER CLUBBING OFTEN ACCOMPANY ASBESTOS-RELATED RESPIRATORY DISEASES.

Medical Cond Aggravated by Exposure:MAY EXACERBATE PRE-EXISTING

CONDITIONS SUCH AS CHRONIC BRONCHITIS OR ASTHMA. WHEN COMBINED WITH SMOKING, THE RISK OF ASBESTOS-RELATED DISEASES INCREASES UP TO 25 TIMES.

===== First Aid Measures =====

First Aid:INHALATION: IF OVEREXPOSURE OCCURS, REMOVE PERSON TO FRESH AIR. GET MEDICAL ATTENTION. SKIN CONTACT: FREQUENT WASHING WITH WATER WILL MINIMIZE IRRITATION. EYE: FLUSH WITH WATER FOR 15 MINUTES LIFTING LOWER LIDS OCCASIONALLY. CALL A PHYSICIAN IF DIS

COMFORT OCCURS. INGESTION: INDUCE VOMITING. SEEK MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS FOR PROTECTION AGAINST TOXIC DECOMPOSITION PRODUCTS.

Unusual Fir

e/Explosion Hazard:THE RUBBER, ONCE IGNITED, MAY NEED EXTRA COOLING TO PREVENT REIGNITION.

===== Accidental Release Measures =====

Spill Release Procedures:DUST FROM SHEET SHOULD BE TREATED AS FREE ASBESTOS. SECURE AREA AND CLEAN UP USING HEPA FILTERED VACUUM. OR WET SWEEP. DO NOT CLEAN UP IN A METHOD THAT GENERATES DUST INTO ATMOSPHERE SUCH AS SWEEPING OR USING COMPRESSED AIR.

Neutralizing Agent:NONE

===== Handling and Storage ==  
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Handling and Storage Precautions:IN NORMAL HANDLING OF SHEET AND CUT GASKETS, NO SIGNIFICANT RELEASE OF ASBESTOS DUST OCCURS. DO NOT DRILL, SAW, GRIND OR SAND W/O PROTECTIVE EQUIPMENT

Other Precautions:WHERE GASKET REMOVAL INVOLVES SCRAPING, WIRE BRUSHING OR OTHER POTENTIAL DUST PRODUCING OPERATIONS; LOCAL VENTILATION, AIR FILTRATION, GOOD WORK HYGIENE, AND WHERE APPLICABLE, WETTING DOWN SHOULD BE USED TO ENSURE NEGLIGIBLE ASBESTOS DUST.

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Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED HEPA RESPIRATOR FOR ASBESTOS DUST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29CFR1910.1001 (D)(2).

Ventilation:WHERE DUST PRODUCING PROCESSES ARE USED, LOCAL VENTILATION, AIR FILTRATION AND GOOD WORK HYGIENE MUST BE USED.

Protective Gloves:RECOMMENDED FOR SENSITIVE SKIN.

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:INDUSTRIAL-TYPE WORK CLOTHING.

Work Hygienic Practices:EXPOSURE TO ANY INHALABLE MATERIAL SHOULD BE MINIMIZED BY ADEQUATE, EFFECTIVE CONTAINMENT AND PERSONAL CLEANLINESS.

Supplemental Safety and Health

NO EXPOSURE TO ASBESTOS SHOULD OCCUR DURING USE SINCE IT IS ENCAPSULATED BY THE RUBBER. SEE 29CFR1910.1001 FOR REGULATIONS COVERING ASBESTOS.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

Spec Gravity:1.8

Solubility in Water:N

EGLIGIBLE

Appearance and Odor:BLUE SHEETS, NO ODOR

Percent Volatiles by Volume:0

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, ALKALIS

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND  
SUBSTANTIAL AMOUNTS OF TOXIC HYDROGEN CHLORIDE EVOLVE WHEN BURNED.

===== Disposal Considerations =====

Waste Disposal Methods:APPROVED LANDFILL IN ACCOR

DANCE WITH LOCAL,

STATE AND FEDERAL REGULATIONS. INCINERATION IN A SUITABLE  
COMBUSTION CHAMBER (>1,000C).

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