

MSDS--KLEAR-KOILZ  
MATERIAL SAFETY DATA SHEET KLEAR KOILZ

DATE OF ISSUE: 08/27/2002  
SUPERCEDES: 11/27/1996

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SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms:  
N/A

Trade Name & Synonyms:  
KLEAR KOILZ

Chemical Family:  
AQUEOUS SULFONATE MIXTURE

Formula Mixture:  
X

Manufacturer's Name:  
KERNITE, DIVISION OF NCH CORP.

Address:

P.O. BOX 152125  
IRVING, TEXAS 750152125

Prepared By: C Williamson/Chemist  
Product Code Number: 0100  
Emergency Phone Number: 800-424-9300

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SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS:

Chemical Name (Ingredients): C10-C16 ALKYL BENZENE SULFONIC ACID POT  
ASSIUM SALT  
Hazard: IRRITANT  
TLV: N/E 1  
PEL: N/E 2  
STEL: N/E  
CAS#: 27177-77-1

Chemical Name (Ingredients): C10-C16 ALKYL BENZENE SULFONIC ACID TRI  
ETHANOLAMINE SALT  
Hazard: IRRITANT  
TLV: N/E 1  
PEL: N/E 2  
STEL: N/E  
CAS#: 27323-41-7

Chemical Name (Ingredients): C10-C16 ALKYL BENZENE SULFONIC ACID DIE  
THANOLAMINE SALT  
Hazard: IRRITANT  
TLV: N/E 1

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PEL: N/E 2  
STEL: N/E  
CAS#: N/A

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SECTION IIa - NON-HAZARDOUS INGREDIENTS  
(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ  
TRADE)

Secret Registry #: 409363-5081P

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SECTION III - PHYSICAL DATA

Boiling Point (f): 210°  
Specific Gravity (H2O=1): 1.05  
Vapor Pressure (MM HG): 10.64  
Color: LIGHT AMBER  
Vapor Density (Air=1): 0.63  
Odor: NONE  
PH @ 100%: 7.8  
Clarity: TRANSPARENT  
Volatile by Volume: 60  
Evaporation Rate (BU A/C=1): 0.38  
H2O Solubility: COMPLETE  
Viscosity: VISCOUS

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SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point: >200°F / SETAFLASH  
Flammable Limits: N/A LEL: N/A UEL: N/A

Extinguishing Media:

Foam: X Alcohol Foam: X CO2: X  
Dry Chemical: X Water Spray: X Other: X

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS  
AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED O  
N THE NATURE OF THE SURROUNDING FIRE.

Unusual Fire and Explosion Hazards:

COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY. USE CARE AS SPI  
LLED MATERIAL MAY BE SLIPPERY.

Aerosol Level (NFPA 30B): N/A  
NFPA 704 Hazard Rating:

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(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health: 1      Flammability: 1      Instability: 0      Special:

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SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED      1.

Effects of Overexposure:

-Acute(Short Term Exposure)

EYE CONTACT: MAY CAUSE IRRITATION SEEN AS STINGING, TEARING AND REDNESS.

SKIN CONTACT: MAY CAUSE IRRITATION SEEN AS ITCHING AND REDNESS.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING.

INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING AND DIARRHEA.

-Chronic (Long Term Exposure)

NO HUMAN CHRONIC EFFECTS KNOWN. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA AND DERMATITIS. TARGET ORGANS: NONE KNOWN. THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

Primary Routes of Entry:    Inhalation:      Ingestion:      Absorption:

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Skin Contact:

WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

-Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

VOC CONTENT: 1.4% BY WEIGHT

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DEVELOPMENTAL DELAY WAS SEEN ONLY IN THE FETUSES OF RATS GIVEN 1500 MG /KG/ DAY CUTANEOUSLY WHICH ALSO CAUSED SIGNIFICANT MATERNAL TOXICITY. HOWEVER, NO FETAL MALFORMATIONS WERE OBSERVED IN EITHER RATS OR RABBITS SIMILARLY TREATED.

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SECTION VII - REACTIVITY DATA

Stability:                      Stable: X                      Unstable:

Conditions to Avoid: NONE KNOWN.

Incompatibility (Materials to Avoid):

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE; STRONG ACIDS AND BASES; REACTIVE METALS, KETONES, NITRITES, ALDEHYDES, ORGANIC HALIDES, CHLORINATED SOLVENTS AND LEATHER.

Hazardous Decomposition Products:

OXIDES OF CARBON, NITROGEN AND SULFUR.

Hazardous Polymerization:

May Occur:                      Will Not Occur: X

Conditions to Avoid: N/A

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SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

WEAR APPROPRIATE PROTECTIVE CLOTHING. USE CARE AS SPILLS MAY BE SLIPPERY. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. FLUSH AREA WITH WATER.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATION.

Neutralizing Agent:

N/A

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SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

GENERAL VENTILATION IS NORMALLY ADEQUATE.

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Respiratory Protection:

NONE REQUIRED UNDER NORMAL CONDITIONS OF USE.

Glove Protection:

NEOPRENE OR NITRILE RUBBER GLOVES IF REPEATED OR PROLONGED SKIN CONTACT IS LIKELY.

Eye Protection:

SAFETY GLASSES IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT.

Other Protection:

WEAR GENERAL-DUTY WORK CLOTHES AND SHOES.

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SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature:      Indoors: X      Outdoors:  
Heated:      Refrigerated:

Minimum Temperature: 35°F      Maximum Temperature: 120°F

Precautions to be taken in Handling and Storing:

ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO SLOWLY WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ ENTIRE LABEL BEFORE USING.  
FOLLOW ALL LABEL DIRECTIONS.

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SECTION XI - REGULATORY INFORMATION

Chemical Name	CAS Number	Upper % Limit
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Those Ingredients listed above are subject to the reporting requirements of 313 of Title III and of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

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SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2002.

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2. OSHA PEL.

3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2002.

4. VENDOR'S MSDS.

ALL OF THE COMPONENTS WITHIN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY OR ARE COVERED UNDER THE EXEMPTION OF TSCA 40CFR 720.30 (H) (7) AND ARE NOT SUBJECT TO THE NOTIFICATION REQUIREMENTS OF TSCA.

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IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE C  
ARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED,  
COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE  
CLOSED CUP,

LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FI  
RE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH  
ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY &  
HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDU  
STRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE  
LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SE  
VERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN, PNOS:PARTICULATES (INSOLUBLE)  
NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHAL  
ATION, HMN:HUMAN

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE  
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