



#110

SECTION 1: GENERAL INFORMATION

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|-------------------------------------|----------------|----------------------|----------------|
| PRODUCT NAME | KOIL KLEEN | DATE PREPARED | 10/15/2004 |
| CHEMICAL NAME & SYNONYMS | CHEMICAL BLEND | SUPERSEDES | 5/24/2000 |
| CHEMICAL FAMILY | ACID | 24 HOUR | CHEMTREC |
| FORMULA | PROPRIETARY | EMERGENCY ASSISTANCE | 1-800-424-9300 |

SECTION II: PHYSICAL DATA

| | | | |
|------------------------------|-----------------------------------|-------------------------------------|-------------|
| pH (1% SOLUTION) | 1.5 | SOLUBILITY IN WATER | APPRECIABLE |
| BOILING RANGE | DECOMPOSES | EVAPORATION RATE (WATER = 1) | NA |
| % VOLATILE BY VOLUME | NA | | |
| SPECIFIC GRAVITY | NA | | |
| APPEARANCE & ODOR | WHITE CRYSTALLINE SOLID, ODORLESS | | |

SECTION III: HAZARDOUS INGREDIENTS

| PRINCIPAL HAZARDOUS COMPOUNDS | % | THRESHOLD LIMIT VALUE (UNITS) |
|--------------------------------------|----------|---------------------------------------|
| SULFAMIC ACID | 90 | IRRITANT |
| OXALIC ACID | <5 | 2 MG/CUBIC METER |

SECTION IV: FIRE & EXPLOSION HAZARD DATA

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|---|----------------|
| FLASH POINT (TEST METHOD) | DOES NOT FLASH |
| FLAMMABILITY LIMITS | NA |
| EXTINGUISHING MEDIA | NA |
| SPECIAL FIRE FIGHTING PROCEDURES | NA |
| FIRE AND EXPLOSION HAZARDS | NONE |

SECTION V: HEALTH HAZARD DATA

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|------------------------------------|--|
| ACGIH THRESHOLD LIMIT VALUE | NOT ESTABLISHED FOR MIXTURE |
| CARCINOGEN - NTP PROGRAM | NO |
| CARCINOGEN - IARC PROGRAM | NO |
| PRIMARY ROUTES OF ENTRY | HARMFUL OR FATAL IF SWALLOWED. INHALATION OF DUST MAY BE IRRITATING. CAUSES EYE BURNS. CAUSES IRRITATION OF NOSE, THROAT AND SKIN. |
| CHRONIC HEALTH HAZARDS | NONE KNOWN |
| EMERGENCY FIRST AID | EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: FLUSH WELL WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. INGESTION: DILUTE BY DRINKING 2 LARGE GLASSES OF WATER. CONSULT A PHYSICIAN IMMEDIATELY. |

MATERIAL SAFETY DATA SHEET
FORMULA #110

SECTION V: HEALTH HAZARD DATA (Cont'd)

SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40CFR372:

| CAS# | CHEMICAL NAME | PERCENT BY WEIGHT |
|-------------|----------------------|--------------------------|
| NA | NA | NA |

SECTION VI: REACTIVITY DATA

| | | | |
|---|-------------------------------|---------------------------------|----------------|
| STABILITY | STABLE | CONDITIONS TO AVOID | NONE |
| MATERIALS TO AVOID | CHLORINE COMPOUNDS | HAZARDOUS POLYMERIZATION | WILL NOT OCCUR |
| HAZARDOUS DECOMPOSITION PRODUCTS | SULFUR DIOXIDE, SULFURIC ACID | | |

SECTION VII: ENVIRONMENTAL PROTECTION

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|------------------------------|--|
| SPILL RESPONSE | DO NOT GET IN EYES. AVOID CONTACT WITH SKIN OR CLOTHING. AVOID BREATHING DUST. SWEEP UP AND CONTAINERIZE MATERIAL. RESIDUE MAY BE WASHED AWAY WITH LARGE QUANTITIES OF WATERS. |
| WASTE DISPOSAL METHOD | SWEEP UP AND CONTAINERIZE EXCESS. FLUSH AREA WITH LARGE QUANTITIES OF WATER. FOLLOW FEDERAL, STATE, AND LOCAL REGULATIONS. |

SECTION VIII: SPECIAL PROTECTION INFORMATION

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|-------------------------------|------------------------------------|--------------------------------|---------------------------------|
| EYE PROTECTION | CHEMICAL SAFETY GLASSES | SKIN PROTECTION | RUBBER, PVC, OR NEOPRENE GLOVES |
| RESPIRATORY PROTECTION | NIOSH APPROVED RESPIRATOR FOR DUST | VENTILATION RECOMMENDED | GENERAL |
| OTHER PROTECTION | AS NEEDED TO PREVENT SKIN CONTACT | | |

SECTION IX: SPECIAL PRECAUTIONS

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| HANDLING & STORAGE PRECAUTIONS | WARNING!! CONTAINS SULFAMIC ACID. TOXIC BY INGESTION. CAN CAUSE BURNS TO EYES AND SKIN UPON CONTACT. IRRITATING TO RESPIRATORY TRACT IF INGESTED. WEAR PROTECTION TO PREVENT SKIN AND EYE CONTACT. USE WITH ADEQUATE VENTILATION. IN CASE OF CONTACT WITH SKIN AND/OR EYES, FLUSH WITH WATER FOR 15 MINUTES. IF INGESTED, DRINK LARGE QUANTITIES OF WATER; DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN IMMEDIATELY. |
| OTHER PRECAUTIONS | STORE IN COOL DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. |

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.