



#110

SECTION 1: GENERAL INFORMATION

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

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

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
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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

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

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

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.