

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KOIL KLEEN

PRODUCT NUMBER: 110

PRODUCT FAMILY: ACID

MANUFACTURER: KO MANUFACTURING, INC
2720 E. DIVISION STREET
SPRINGFIELD, MO 65803
417-866-8000

DATE PREPARED: 4/2/2015

SUPERCEDED DATE: 1/2/2015

EMERGENCY CONTACT:

CHEMTREC 800-424-9300

INFORMATION USE: ACID SCALE REMOVER

2. HAZARD IDENTIFICATION

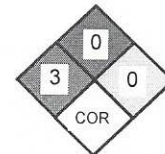
DOT HAZARD CLASSIFICATION: CORROSIVE SOLID

SIGNAL WORD: DANGER!

ROUTE OF EXPOSURE: EYE CONTACT, SKIN CONTACT, INGESTION AND INHALATION

GHS HEALTH CLASSIFICATION: SKIN CORROSIVE 1C
EYE DAMAGE/IRRITATION 1

NFPA



GHS LABEL H290 - May be corrosive to metal.

ELEMENTS: H314 - Causes severe skin burns and eye damage.

P234 - Keep only in original container.

P260 - Do not breathe dust/fume/gas/vapours/spray.

P264 - Wash exposed skin thoroughly after handling.

P280 - Wear protective gloves/boots/clothing/eye protection/face protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call POISON CENTER or doctor/physician.

P390 - Absorb spillage to prevent material damage.

P405 - Store locked up.

P406 - Store in corrosive resistant HDPE plastic container.

P501 - Dispose of content/container in accordance with local/national regulations.

PICTOGRAMS



3. COMPOSITION IDENTIFICATION

INGREDIENTS:

SULFAMIC ACID

ETHOXYLATEDPROPOXYLATED ALCOHOLS

C.A.S. NUMBER:

5329-14-6

68987-81-5

PERCENT:

<100.0%

<5.0%

QUANTITY	TOTE	LOCATION	ORDER NO.	LINE	PART NUMBER
1	1		1535185	6	
SafetyDataSheet for: KO-CC8X					
SDS Number: 110					

4. FIRST AID MEASURES

EYE CONTACT: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO SO. CONTINUE RINSING. CALL A PHYSICIAN IMMEDIATELY.

PRODUCT NAME: ROIL KLEEN
PRODUCT NUMBER: 110

REVISION: 7/2/2015
SUPERCEDED DATE: 1/2/2015

4. FIRST AID MEASURES - CONTINUED

SKIN CONTACT: WASH EXPOSED SKIN THOROUGHLY AFTER HANDLING. REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. GET MEDICAL ADVICE/ATTENTION.

INGESTION: RINSE MOUTH. DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO DRINK. CALL A POISON CENTER OR PHYSICIAN IMMEDIATELY.

INHALATION: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A POISON CENTER OR PHYSICIAN IMMEDIATELY.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: NON FLAMMABLE.

FLASH POINT: DOES NOT FLASH.

SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM OR CARBON DIOXIDE, WATER SPRAY.

UNSUITABLE EXTINGUISHING MEDIA: NOT ESTABLISHED.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NONE KNOWN.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE DEMAND MSHA/NIOSH APPROVED) AND FULL PROTECTIVE GEAR.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. WEAR PROPER PROTECTIVE EQUIPMENT WHEN DEALING WITH RELEASE.

ENVIRONMENTAL PRECAUTIONS: CONTAIN SPILL TO AVOID RELEASE TO THE ENVIRONMENT. KEEP CONTAINER TIGHTLY CLOSED.

METHODS FOR CONTAINMENT AND CLEAN-UP: CAREFULLY SWEEP UP MATERIAL AND TRANSFER TO A CONTAINER FOR REUSE OR DISPOSAL. THOROUGHLY RINSE AREA WITH WATER.

7. HANDLING AND STORAGE

HANDLING: HANDLE WITH CARE AND AVOID CONTACT WITH EYES AND SKIN. ALWAYS WEAR PROPER CHEMICAL RESISTANT PROTECTIVE EQUIPMENT 29CFR1910.132-138. WASH THOROUGHLY AFTER HANDLING.

STORAGE: AVOID RELEASE TO THE ENVIRONMENT. STORE IN LOCKED STORAGE USING CORROSIVE RESISTANT CONTAINERS. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE REQUIRED UNDER NORMAL USE.

EYE / FACE PROTECTION: CHEMICAL SAFETY GOGGLES AND FULL FACE SHIELD.

SKIN PROTECTION: CHEMICAL RESISTANT GLOVES AND IMPERVIOUS APRON AND BOOTS.

THRESHOLD LIMIT VALUE (TLV): NOT ESTABLISHED.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: SOLID.

APPEARANCE: WHITE POWDER.

ODOR: NO SCENT.

BOILING POINT: NOT ESTABLISHED.

FREEZING POINT: NOT ESTABLISHED.

SPECIFIC GRAVITY: NOT ESTABLISHED.

pH (1%): 1.5

EVAPORATION RATE: NOT ESTABLISHED.

FLASH POINT: DOES NOT FLASH.

LOWER FLAMMABILITY/EXPLOSIVE LIMIT: NOT ESTABLISHED.

UPPER FLAMMABLE/EXPLOSIVE LIMIT: NOT ESTABLISHED.

AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED.

VISCOSITY: NOT ESTABLISHED.

REALITIVE DENSITY: NOT ESTABLISHED.

SOLUBILITY: SOLUBLE.

VAPOR PRESSURE: NOT ESTABLISHED.

VAPOR DENSITY: NOT ESTABLISHED.

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED.

PARTICAL COEFFICIENT: NOT ESTABLISHED.
N-OCTANOL/WATER

PRODUCT NUMBER: 110

SUPERCEDED DATE: 1/2/2015

10. STABILITY AND REACTIVITY**CHEMICAL STABILITY:** STABLE.**CONDITIONS TO AVOID:** NO UNUSUAL CONDITIONS.**INCOMPATIBLE MATERIALS:** DO NOT MIX WITH OTHER CHEMICALS.**HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE AND DIOXIDE FROM THERMAL DECOMPOSITION.**11. TOXICOLOGICAL INFORMATION****EYE IRRITATION/CORROSION:** CORROSIVE TO EYES AND SKIN**EFFECTS OF SHORT-TERM EXPOSURE:** IRRITATION OR BURNS TO EYES, SKIN AND MOUTH.**INGESTION:** MAY CAUSE BURNS TO MOUTH, THROAT AND STOMACH.**LD-50:** NOT ESTABLISHED.**12. ECOLOGICAL IDENTIFICATION****ECOTOXICITY:** NOT ESTABLISHED.**PERSISTENCE AND DEGRADABILITY:** BIODEGRADABLE.**BIOACCUMULATION/ACCUMULATION:** NOT ESTABLISHED.**13. DISPOSAL CONDITIONS**

THIS MATERIAL WHEN DISCARDED IS A HAZARDOUS WASTE DEFINED BY 40CFR261. MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORTATION INFORMATION**GROUND SHIPPING INFORMATION:**

CONSUMER COMMODITY, ORM-D.

WATER SHIPPING INFORMATION:

UN1759, CORROSIVE SOLID, N.O.S., (SULFAMIC ACID), 8, PGIII, LTD. QTY. (IN 8LB JAR)

AIR SHIPPING INFORMATION:

CAN NOT SHIP BY AIR

15. REGULATORY INFORMATION**US FEDERAL REGULATIONS:****TSCA (TOXIC SUBSTANCE CONTROL ACT)** ALL COMPONENTS LISTED ON TSCA INVENTORY.**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):****313 REPORTABLE INGREDIENTS****CAS NUMBER:****PERCENT:**

NONE.

STATE REGULATIONS: CALIFORNIA PROPOSITION 65 -THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS CURRENTLY LISTED.**INTERNATIONAL REGULATIONS:** CLASS E CORROSIVE UNDER CANADIAN WHMIS**SECTION 15 NOTES:** NONE.**16. OTHER INFORMATION****PHONE NUMBER:** 417-866-8000**DATE OF PREPARATION:** 4/2/2015

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information provided in this Safety Data Sheet has been compiled from experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Safety Data Sheets at any time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.