



# 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:** 5/1/2014  
**SUPERCEDED DATE:** 7/1/2013

**EMERGENCY CONTACT:** CHEMTREC 800-424-9300  
**INFORMATION USE:** ACID SCALE REMOVER

## 2. HAZARD IDENTIFICATION

**SIGNAL WORD:** DANGER

**HAZARD CLASSIFICATION:** CORROSIVE SOLID

**POTENTIAL HEALTH EFFECT:** BURNS AND SEVERE IRRITATION

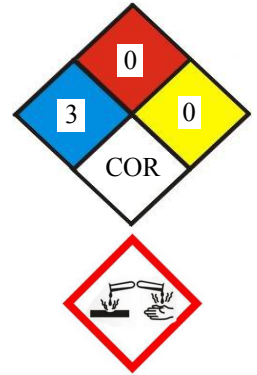
**ROUTE OF EXPOSURE:** EYE CONTACT, SKIN CONTACT, INGESTION AND INHALATION

**SKIN CONTACT:** MAY CAUSE SEVERE IRRITATION OR BURNS ON DIRECT CONTACT.

**EYE CONTACT:** MAY CAUSE BURNS WITH DIRECT CONTACT TO EYES.

**INGESTION:** MAY CAUSE SEVERE IRRITATION OR BURNS TO MOUTH, THROAT AND STOMACH.

**INHALATION:** MAY CAUSE IRRITATION OR BURNS TO NOSE AND THROAT.



## 3.COMPOSITION IDENTIFICATION

INGREDIENTS:	C.A.S. NUMBER:	PERCENT:
SULFAMIC ACID	5329-14-6	<100.0%
OXALIC ACID	144-62-7	<5.0%

## 4. FIRST AID MEASURES

**EYE CONTACT:** RINSE WITH FRESH WATER FOR 15 MINUTES, LIFTING EYELIDS OCCASIONALLY. CALL A PHYSICIAN IMMEDIATELY.

**SKIN CONTACT:** RINSE WITH PLENTY OF FRESH WATER AND REMOVE CONTAMINATED CLOTHING IMMEDIATELY. CALL A PHYSICIAN IF IRRITATION PERSISTS.

**INGESTION:** DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

**INHALATION:** IF OVERCOME BY EXPOSURE, REMOVE VICTIM TO FRESH AIR IMMEDIATELY. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. CALL A PHYSICIAN IMMEDIATELY.

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## 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 WHEN NOT IN USE.

**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:** AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. ALWAYS WEAR PROPER PROTECTIVE EQUIPMENT WHEN HANDLING.

**STORAGE:** AVOID RELEASE TO THE ENVIRONMENT. STORE IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN. USE CARE WHEN HANDLING AND STORING.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THRESHOLD LIMIT VALUE (TLV):** NOT ESTABLISHED.

**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.

## 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

## 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.

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## 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.

## 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 40 CFR 261. 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, OXALIC 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:** 5/1/2014

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