

# HENKEL CORPORATION

104 06 1993

## EMERY GROUP

### Material Safety Data Sheet

EMERGENCY PHONE: (513) 482-2297

CHEMTREC 800-424-9300

MSDS REFERENCE: EMERY 3806-A (1/30/95)

#### SECTION I - IDENTIFICATION

PRODUCT: EMERY 3806-A ISO 46 SYNTHETIC LUBRICANT BASESTOCK

SYNONYMS:

CHEMICAL: ESTER

CAS NO: PROPRIETARY LUBRICANT BASESTOCK

SAFETY HAZARD: NONE NOTED (SECTION 311/312)  
TITLE III SECTION 313- NOT LISTED

#### SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

<u>COMPOSITION</u>	<u>%</u>	<u>PEL/TLV</u>	<u>HAZARD</u>
PROPRIETARY	100	NONE/NONE	NONE NOTED

#### SECTION III - HEALTH INFORMATION

INHALATION: UNKNOWN

INGESTION: LD50:>5 G/KG (RAT) (SIMILAR PRODUCTS)

EYE CONTACT: SIMILAR PRODUCTS WERE NOT CLASSIFIED AS IRRITANTS BY OCULAR APPLICATION.

SKIN CONTACT: SIMILAR PRODUCTS WERE NOT CLASSIFIED AS PRIMARY SKIN IRRITANTS OR AS CORROSIVE MATERIALS BY DERMAL APPLICATION.

#### SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL

TLV: NO ACGIH TLV

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### SECTION V - EMERGENCY FIRST AID PROCEDURE

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FOR OVEREXPOSURE BY SWALLOWING: CALL A PHYSICIAN OR POISON CONTROL CENTER PROMPTLY.

FOR OVEREXPOSURE BY SKIN CONTACT: WASH AFFECTED AREA.

FOR OVEREXPOSURE BY EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES.

FOR OVEREXPOSURE BY INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.

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### SECTION VI - PHYSICAL DATA

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BOILING POINT: NOT ESTABLISHED

MELTING POINT: -27 DEG F (POUR POINT)

VAPOR PRESSURE: NOT ESTABLISHED

SPECIFIC GRAVITY: APPROX. 0.989-0.998 AT 15.6 DEG C

SOLUBILITY IN WATER: NEGLIGIBLE

APPEARANCE AND COLOR:

CLEAR LIQUID-MILD ESTER ODOR

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### SECTION VII - FIRE AND EXPLOSION HAZARDS

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FLASH POINT & METHOD USED: 446 DEG F (MIN) (230 DEG C) (ASTM D92-66)

FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: NOT ESTABLISHED

FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: NOT ESTABLISHED

MFPA RATING: NO MFPA RATING

HMS RATING: HEALTH (1) FIRE (1) REACTIVITY (0)

SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS

(INDIVIDUALS SHOULD PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH THEY HAVE BEEN TRAINED). WATER OR FOAM MAY CAUSE FROTHING WHEN APPLIED TO FLAMMABLE LIQUIDS HAVING FLASH POINTS ABOVE 212 DEG F (100 DEG C). THE REMARK IS INCLUDED ONLY AS A PRECAUTION AND DOES NOT MEAN THAT WATER OR FOAM SHOULD NOT OR COULD NOT BE USED IN FIGHTING FIRES IN SUCH LIQUIDS. THE FROTHING MAY BE QUITE VIOLENT AND COULD ENDANGER THE LIFE OF THE FIREFIGHTER PARTICULARLY WHEN SOLID STREAMS ARE DIRECTED INTO THE HOT BURNING LIQUID. ON THE OTHER HAND, WATER SPRAY CAREFULLY APPLIED HAS FREQUENTLY BEEN USED WITH SUCCESS IN EXTINGUISHING SUCH FIRES BY CAUSING THE FROTHING TO OCCUR ONLY ON THE SURFACE AND THIS FOAMING ACTION BLANKETS AND EXTINGUISHES THE FIRE. (MFPA 325M-1984)

UNUSUAL FIRE & EXPLOSION HAZARDS

FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE-PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

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SECTION VIII - REACTIVITY

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**STABILITY:**

GENERALLY STABLE

**HAZARDOUS POLYMERIZATION:**

NONE LIKELY

**CONDITIONS & MATERIALS TO AVOID:**

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

**HAZARDOUS DECOMPOSITION PRODUCTS:**

DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

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SECTION IX - EMPLOYEE PROTECTION

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**CONTROL MEASURES:**

HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

**RESPIRATORY PROTECTION:**

RECOMMENDED EXPOSURE LIMITS (i.e., OSHA-PEL AND ACGIH-TLV) HAVE NOT BEEN ESTABLISHED FOR THIS MATERIAL. WHETHER THERE IS A NEED FOR RESPIRATORY PROTECTION UNDER YOUR CONDITIONS OF HANDLING OF THIS MATERIAL SHOULD BE EVALUATED BY A QUALIFIED HEALTH SPECIALIST.

**PROTECTIVE CLOTHING:**

WEAR GLOVES AND PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR PROLONGED OR REPEATED SKIN CONTACT.

**EYE PROTECTION:**

WEAR SAFETY GLASSES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 WHERE NO CONTACT WITH THE EYE IS ANTICIPATED. CHEMICAL SAFETY GOGGLES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES.

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SECTION X - ENVIRONMENTAL PROTECTION

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**ENVIRONMENTAL PRECAUTIONS:**

AVOID UNCONTROLLED RELEASES OF THIS MATERIAL. WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED AND IMPLEMENTED.

**SPILL OR LEAK PRECAUTIONS:**

WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AS DESCRIBED IN SECTION IX. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

**WASTE DISPOSAL:**

ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. AVOID LANDFILLING OF LIQUIDS. RECLAIM WHERE POSSIBLE.