

This MSDS should be attached or kept with the respective product with which it is associated.

AL SAFETY DATA SHEET - A6850

As of 09/27/2004 Item: 4KM46 - Anti Seize 8 Oz

LOCTITE (R*)

MATERIAL SAFETY DATA SHEET

HENKEL TECHNOLOGIES

REVISION DATE: 09/27/2004

ISSUE DATE: 09/27/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SILVER GRADE ANTI-SEIZE LUBRICANT

ITEM NO.: 76732

PRODUCT TYPE: LUBRICANT

REGION: UNITED STATES

COMPANY ADDRESS:
HENKEL CORPORATION
1001 TROUT BROOK CROSSING
ROCKY HILL, CONNECTICUT 06067

CONTACT INFORMATION:
TELEPHONE: 860.571.5100
EMERGENCY TELEPHONE: 860.571.5100
INTERNET: WWW.LOCTITE.COM

2. COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENTS | % | ACGIH TLV |
|------------------------------|--|---|
| PETROLEUM DISTILLATES | 30-60 | 5 MG/M3 TWA (MIST) 1.0 MG/M3 STEL (MIST) |
| GRAPHITE 7782-42-5 | 10-30 | 2 MG/M3 TWA RESPIRABLE FRACTION, ALL FORMS EXCEPT GRAPHITE FIBERS |
| CALCIUM OXIDE 1305-78-8 | 10-30 | 2 MG/M3 TWA |
| ALUMINUM 7429-90-5 | 5-10 | 10 MG/M3 TWA METAL DUST 5 MG/M3 TWA AS AL |
| SILICA, QUARTZ 14808-60-7 | 0.1-1 | 0.05 MG/M3 TWA RESPIRABLE FRACTION |
| HAZARDOUS COMPONENTS | OSHA PEL | OTHER |
| PETROLEUM DISTILLATES | 5 MG/M3 TWA (MIST) | NONE |
| GRAPHITE 7782-42-5 | 15 MG/M3 (TOTAL) 5 MG/M3 (RESPIRABLE) | NONE |
| CALCIUM OXIDE 1305-78-8 | 5 MG/M3 (TWA) | NONE |
| ALUMINUM 7429-90-5 | 15 MG/M3 TWA (TOTAL) 5 MG/M3 RESPIRABLE | NONE |
| SILICA, QUARTZ 14808-60-7 | 0.1 MG/M3 TWA (RESPIRABLE) | NONE |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL STATE: PASTE

COLOR: SILVER

ODOR: HYDROCARBON-LIKE

WARNING: CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

HMS:
HEALTH: 1
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
PERSONAL PROTECTION: SEE SECTION 8

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS:

INHALATION: MODERATE RESPIRATORY TRACT IRRITATION.

SKIN CONTACT: MODERATE SKIN IRRITATION.

EYE CONTACT: MODERATE EYE IRRITATION.

INFORMATION: MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. PRINCIPAL HAZARD OF INGESTION IS ASPIRATION INTO THE LUNGS AND SUBSEQUENT PNEUMONITIS.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE:
EYE, SKIN, AND RESPIRATORY DISORDERS.

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

4. FIRST AID MEASURES

INHALATION:
REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS SEEK MEDICAL ATTENTION.

SKIN CONTACT:
WASH WITH SOAP AND WATER. IF SYMPTOMS PERSIST, OBTAIN MEDICAL ATTENTION.

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

5. FIRE-FIGHTING MEASURES

FLASH POINT: >93 DEG. C (>200 DEG. F)

FLASHBACK: NOT APPLICABLE

FLAME PROJECTION: NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NOT DETERMINED

FLAMMABLE/EXPLOSIVE LIMITS-LOWER %: NOT AVAILABLE
FLAMMABLE/EXPLOSIVE LIMITS-UPPER %: NOT AVAILABLE

EXTINGUISHING MEDIA: CARBON DIOXIDE (CO2). FOAM. DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON. OXIDES OF NITROGEN.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: PREVENT FURTHER LEAKAGE OR SPILLAGE.

CLEAN-UP METHODS:
REMOVE ALL IGNITION SOURCES. SOAK UP WITH INERT ABSORBENT. STORE IN A CLOSED CONTAINER UNTIL READY FOR DISPOSAL.

7. HANDLING AND STORAGE

HANDLING:
KEEP AWAY FROM HEAT, SPARK AND FLAME. AVOID CONTACT WITH SKIN AND EYES.

STORAGE: KEEP IN A COOL, WELL VENTILATED AREA.

INCOMPATIBLE PRODUCTS:
NO SPECIAL RESTRICTIONS ON STORAGE WITH OTHER PRODUCTS.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL CUSTOMER SERVICE AT (800) 243-4874.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
USE LOCAL VENTILATION IF GENERAL VENTILATION IS INSUFFICIENT TO MAINTAIN VAPOR CONCENTRATION BELOW ESTABLISHED EXPOSURE LIMITS.

RESPIRATORY PROTECTION:
USE NIOSH APPROVED RESPIRATOR IF THERE IS POTENTIAL TO EXCEED EXPOSURE LIMIT(S).

SKIN PROTECTION: NEOPRENE OR OIL RESISTANT GLOVES

EYE/FACE PROTECTION: SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

SEE SECTION 2 FOR EXPOSURE LIMITS.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: PASTE

COLOR: SILVER

ODOR: HYDROCARBON-LIKE

VAPOR PRESSURE: <5 MMHG @ 20 DEG. C (68 DEG. F)

pH: NOT APPLICABLE

BOILING POINT/RANGE: NOT AVAILABLE

MELTING POINT/RANGE: NOT AVAILABLE

SPECIFIC GRAVITY: 1.25

VAPOR DENSITY: NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

SOLUBILITY IN WATER: INSOLUBLE

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT DETERMINED

VOC CONTENT: 12.96%; 162 GRAMS/LITER

10. STABILITY AND REACTIVITY

STABILITY: STABLE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE REASONABLY FORESEEABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS.

CONDITIONS TO AVOID: NONE KNOWN.

11. TOXICOLOGICAL INFORMATION

CAR EN STATUS:

| HAZARDOUS COMPONENTS | NTP CARCINOGEN | IARC CARCINOGEN | OSHA CARCINOGEN |
|------------------------------------|-------------------|--------------------|--------------------|
| PETROLEUM DISTILLATES 7782-42-5 | NO | NO | NO |
| GRAPHITE 7782-42-5 | NO | NO | NO |
| CALCIUM OXIDE 1305-78-8 | NO | NO | NO |
| ALUMINUM 7429-90-5 | NO | NO | NO |
| SILICA, QUARTZ 14808-60-7 | KNOWN CARCINOGEN | GROUP 1 | YES |

LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS:

HAZARDOUS COMPONENTS HEALTH EFFECTS/TARGET ORGANS

PETROLEUM DISTILLATES IRRITANT

GRAPHITE LUNG
7782-42-5

CALCIUM OXIDE IRRITANT, EYES, CORROSIVE
1305-78-8

ALUMINUM CENTRAL NERVOUS SYSTEM, IRRITANT, LUNG
7429-90-5

SILICA, QUARTZ SOME EVIDENCE OF CARCINOGENICITY, LUNG,
14808-60-7 IMMUNE SYSTEM

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NOT AVAILABLE

13. DISPOSAL CONSIDERATIONS

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.

RECOMMENDED METHOD OF DISPOSAL:

DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL GOVERNMENTAL REGULATIONS.

HAZARDOUS WASTE NUMBER: NOT A RCRA HAZARDOUS WASTE.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR):

PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: NONE
IDENTIFICATION NUMBER: NONE
PACKING GROUP: NONE

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):

PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: NONE
IDENTIFICATION NUMBER: NONE
PACKING GROUP: NONE

WATER TRANSPORTATION (IMO/IMDG):

PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: NONE
IDENTIFICATION NUMBER: NONE
PACKING GROUP: NONE
MARINE POLLUTANT: NONE

15. REGULATORY INFORMATION

UNITED STATES REGULATORY INFORMATION:

TSCA 8 (B) INVENTORY STATUS:
ALL COMPONENTS ARE LISTED OR ARE EXEMPT FROM LISTING ON THE TOXIC
SUBSTANCES CONTROL ACT INVENTORY.

TSCA 12 (B) EXPORT NOTIFICATION: NONE.

CERCLA/SARA SECTION 302 EHS: NONE.

CERCLA/SARA SECTION 311/312: IMMEDIATE HEALTH HAZARD

CERCLA/SARA 313: ALUMINUM (CAS# 7429-90-5) (DUST AND FUMES ONLY).

CALIFORNIA PROPOSITION 65:
NO CALIFORNIA PROPOSITION 65 LISTED CHEMICALS ARE KNOWN TO BE PRESENT.

CANADA REGULATORY INFORMATION:

CEPA DSL/NDL STATUS:
ALL COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM LISTING ON THE DOMESTIC
SUBSTANCES LIST.

HAZARD CLASS: D.2.A, D.2.B

16. OTHER INFORMATION

THIS MATERIAL SAFETY DATA SHEET CONTAINS CHANGES FROM THE PREVIOUS VERSION
IN SECTIONS: REVISED TO NEW FORMAT.

PREPARED BY: C.J. MICHAELS, SENIOR HEALTH & REGULATORY AFFAIRS SPECIALIST

DISCLAIMER:

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