

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.

ION:
/N MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND
DIA. PRINCIPAL HAZARD OF INGESTION IS ASPIRATION INTO THE LUNGS AND
SUB. ANT 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

CARCINOMEN 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:

DISPOSAL 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:

THE DATA CONTAINED HEREIN ARE FURNISHED FOR INFORMATION ONLY AND ARE BELIEVED TO BE RELIABLE. HOWEVER, HENKEL CORPORATION DOES NOT ASSUME RESPONSIBILITY FOR ANY RESULTS OBTAINED BY PERSONS OVER WHOSE METHODS HENKEL CORPORATION HAS NO CONTROL. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF HENKEL'S PRODUCTS OR ANY PRODUCTION METHODS MENTIONED HEREIN FOR A PARTICULAR PURPOSE, AND TO ADOPT SUCH PRECAUTIONS AS MAY BE ADVISABLE FOR THE PROTECTION OF PROPERTY AND PERSONS AGAINST ANY HAZARDS THAT MAY BE INVOLVED IN THE HANDLING AND USE OF ANY OF HENKEL CORPORATION'S PRODUCTS. IN LIGHT OF THE FOREGOING, HENKEL CORPORATION SPECIFICALLY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARISING FROM SALE OR USE OF HENKEL CORPORATION'S PRODUCTS. HENKEL CORPORATION FURTHER DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST PROFITS.

ITEM NO.: 76732

PRODUCT NAME: SILVER GRADE ANTI-SEIZE LUBRICANT