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MSDS

**Common Name:** 133K ANTI-SEIZE LUBRICANT 8OZ, 80078**Manufacturer:** PERMATEX**MSDS Revision Date:** 7/18/2006**Grainger Item Number(s):** 2GXY6**Manufacturer Model Number(s):**

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MATERIAL SAFETY DATA SHEET

#### 1. PRODUCT IDENTIFICATION



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PRODUCT NAME: 133K ANTI-SEIZE LUBRICANT 8OZ

ITEM NO: 80078

PRODUCT TYPE: LUBRICANT

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS



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INGREDIENT	WEIGHT PERCENT	ACGIH TLV	OSHA PEL
MINERAL OIL 64741-44-2	35-40	5 MG/M3 TWA	10 MG/M3 TWA
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	20-30	5 MG/M3 MIST	5 MG/M3 MIST
CALCIUM OXIDE 1305-78-8	15-25	2 MG/M3 TWA	5 MG/M3 TWA
ALUMINIUM POWDER 7429-90-5	5-15	10 MG/M3 TWA (METAL DUST) ACGIH	15 MG/M3 TWA (TOTAL DUST), 5 MG/M3 TWA (RESPIRABLE)
GRAPHITE 7782-42-5	1-10	2 MG/M3 RESPIR. DUST	15 MPPCF TWA

### 3. HAZARDS IDENTIFICATION

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#### TOXICITY:

MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE NOSE, THROAT AND RESPIRATORY IRRITATION. MAY CAUSE GASTROINTESTINAL IRRITATION. HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

PRIMARY ROUTES OF ENTRY: EYE AND SKIN CONTACT, INGESTION, INHALATION

#### SIGNS AND SYMPTOMS OF EXPOSURE:

OVEREXPOSURE MAY CAUSE EYE AND SKIN REDNESS, DIFFICULTY BREATHING AND VOMITING. EXCESSIVE ACCIDENTAL EXPOSURE MAY CAUSE HEADACHE, DIZZINESS, NAUSEA AND MILD RESPIRATORY IRRITATION. INHALATION OF DUST AT LEVELS ABOVE RECOMMENDED EXPOSURE LIMIT MAY CAUSE METALLIC OR SWEET TASTE, IRRITATION OF PHARYNX AND POSSIBLE ULCERATION WITH PERFORATION OF THE NASAL SEPTUM. REPEATED SKIN CONTACT MAY CAUSE ALLERGIC SKIN REACTIONS.

#### MEDICAL CONDITIONS RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE:

PERSONS WITH RESPIRATORY PROBLEMS SUCH AS EMPHYSEMA AND ASTHMA SHOULD AVOID INHALATION.

### 4. FIRST AID MEASURES

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#### INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

#### INHALATION:

MOVE TO FRESH AIR IN CASE OF ACCIDENTAL INHALATION OF VAPORS. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. OBTAIN MEDICAL ATTENTION.

#### SKIN CONTACT:

WASH OFF WITH SOAP AND WATER. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.

#### EYE CONTACT:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

### 5. FIRE FIGHTING MEASURES

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FLASH POINT (DEG. F/C): GREATER THAN 200 DEGREES F.  
METHOD: TAG CLOSED CUP

RECOMMENDED EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICALS, FOAM.

SPECIAL FIRE-FIGHTING PROCEDURES:  
FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. WATER SPRAY MAY BE INEFFECTIVE ON FLAMES BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

HAZARDOUS PRODUCTS OF COMBUSTION:  
METAL OXIDE FUMES, OXIDES OF CARBON, INCOMPLETE COMBUSTION MAY EMIT COMPONENT HYDROCARBONS.

UNUSUAL FIRE/EXPLOSION HAZARDS: MAY IGNITE WHEN SUFFICIENT HEAT IS APPLIED.

LOWER EXPLOSIVE LIMIT: 30% ALUMINUM METAL; 1% OIL  
UPPER EXPLOSIVE LIMIT: 7% OIL



## 6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:  
ELIMINATE ALL SOURCES OF IGNITION. MAINTAIN GOOD VENTILATION. TAKE UP WITH AN INERT ABSORBENT. STORE IN A CLOSED WASTE CONTAINER UNTIL DISPOSAL.



## 7. HANDLING AND STORAGE

STORAGE:  
STORE AWAY FROM HEAT, SPARKS OR OPEN FLAME. DO NOT STORE AT TEMPERATURES ABOVE 120 DEGREES F.

HANDLING:  
AVOID PROLONGED SKIN CONTACT. KEEP AWAY FROM EYES. DO NOT INHALE VAPORS. DO NOT USE NEAR HEAT, SPARKS OR OPEN FLAME. WASH HANDS AND FACE AFTER HANDLING THIS COMPOUND.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYES: SAFETY GLASSES

SKIN: RUBBER OR PLASTIC GLOVES.

VENTILATION:  
GENERAL; LOCAL EXHAUST VENTILATION AS NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR EXPOSURE LIMITS (OR TO THE LOWEST FEASIBLE LEVELS WHEN LIMITS HAVE NOT BEEN ESTABLISHED) DURING THE USE OF THIS PRODUCT.

RESPIRATORY PROTECTION:  
NOT REQUIRED UNDER NORMAL USE. AN APPROVED RESPIRATOR (I.E. NIOSH, ETC.) SHOULD BE WORN WHEN EXPOSURES ARE EXPECTED TO EXCEED THE APPLICABLE LIMITS.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: SILVER PASTE

ODOR: PETROLEUM DISTILLATES

BOILING POINT: NOT DETERMINED

pH: DOES NOT APPLY

SOLUBILITY IN WATER: NIL

SPECIFIC GRAVITY: 1.17

VOC CONTENT (WT.%): NONE

VAPOR PRESSURE: LESS THAN 5 MMHg

VAPOR DENSITY (AIR=1): NOT DETERMINED

EVAPORATION RATE: NOT DETERMINED

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## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: STABLE AT NORMAL CONDITIONS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITIES:

STRONG OXIDIZERS, ALKALIES, MINERAL ACIDS, SELECTED AMINES.

CONDITIONS TO AVOID: HEAT.

HAZARDOUS PRODUCTS OF COMBUSTION:  
METAL OXIDE FUMES, OXIDES OF CARBON, INCOMPLETE COMBUSTION MAY EMIT  
COMPONENT HYDROCARBONS.

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## 11. TOXICOLOGICAL INFORMATION

SEE SECTION 3

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## 12. ECOLOGICAL INFORMATION

NO DATA AVAILABLE

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## 13. DISPOSAL CONSIDERATIONS

RECOMMENDED METHOD OF DISPOSAL:  
DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL  
REGULATIONS.

US EPA WASTE NUMBER: D001 AS PER 40 CFR 261.21

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## 14. TRANSPORTATION INFORMATION

DOT (49 CFR 172):

DOMESTIC GROUND TRANSPORT:  
DOT SHIPPING NAME: UNRESTRICTED  
HAZARD CLASS: NONE  
UN/ID NUMBER: NONE  
MARINE POLLUTANT: NONE



IATA:  
PROPER SHIPPING NAME: NOT REGULATED  
CLASS OR DIVISION: NONE  
UN/NA NUMBER: NONE

IMDG:  
PROPER SHIPPING: UNRESTRICTED  
HAZARD CLASS: NONE  
UN NUMBER: NONE

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## 15. REGULATORY INFORMATION

SARA 313 CHEMICALS:  
THE FOLLOWING COMPONENT(S) IS LISTED AS A SARA SECTION 313 TOXIC CHEMICAL.  
NONE

CALIFORNIA PROP 65: NO CALIFORNIA PROP 65 CHEMICALS ARE KNOWN TO BE PRESENT.

TSCA INVENTORY STATUS:

LISTED ON INVENTORY:  
YES ALL COMPONENTS OF THIS PRODUCT ARE LISTED (OR EXEMPT) ON THE EPA TSCA  
INVENTORY.

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## 16. OTHER INFORMATION

ESTIMATED NFPA RATING:  
HEALTH 1  
FLAMMABILITY 1  
INSTABILITY 1

ESTIMATED HMIS CLASSIFICATION:  
HEALTH 1  
FLAMMABILITY 1  
PHYSICAL HAZARD 0

NFPA IS A REGISTERED TRADEMARK OF THE NATIONAL FIRE PROTECTION ASSN.  
HMIS IS A REGISTERED TRADEMARK OF THE NATIONAL PAINT AND COATINGS ASSN.

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