

# Safety Data Sheet

## Supply Co. - HI TEMPERATURE ANTI-SEIZE THREAD COMPOUND

Document Nbr: 063143  
Class C Parts IDs 21961,21962

SAFETY DATA SHEET

HENKEL

REVISION NUMBER: 005.0

ISSUE DATE: 07/31/2014

-----1. PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME: HI TEMPERATURE ANTI-SEIZE THREAD COMPOUND

PRODUCT TYPE: LUBRICANT

RESTRICTION OF USE: NONE IDENTIFIED

IDH NUMBER: 270827

ITEM NUMBER: 51133

REGION: UNITED STATES

COMPANY ADDRESS:

HENKEL CORPORATION

ONE HENKEL WAY

ROCKY HILL, CONNECTICUT 06067

CONTACT INFORMATION:

TELEPHONE: (860) 571-5100

MEDICAL EMERGENCY PHONE:

POISON CONTROL CENTER: 1-877-671-4608 (TOLL FREE) OR 1-303-592-1711

TRANSPORT EMERGENCY PHONE:

CHEMTREC: 1-800-424-9300 (TOLL FREE) OR 1-703-527-3887

INTERNET: [WWW.HENKELNA.COM](http://WWW.HENKELNA.COM)

-----2. HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

DANGER:

CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE DAMAGE.

| HAZARD CLASS       | HAZARD CATEGORY |
|--------------------|-----------------|
| SKIN IRRITATION    | 2               |
| SERIOUS EYE DAMAGE | 1               |
| SKIN SENSITIZATION | 1               |

PICTOGRAM(S):

CORROSION

EXCLAMATION MARK

PRECAUTIONARY STATEMENTS:

PREVENTION:

AVOID BREATHING VAPORS, MIST, OR SPRAY. WASH THOROUGHLY AFTER HANDLING.

CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE. WEAR

EYE AND FACE PROTECTION. WEAR PROTECTIVE GLOVES.

RESPONSE:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF

PRESENT AND EASY TO REMOVE. CONTINUE RINSING. IMMEDIATELY CALL A POISON

CONTROL CENTER OR PHYSICIAN.

IF SKIN IRRITATION OR RASH OCCURS:

GET MEDICAL ATTENTION. TAKE OFF CONTAMINATED CLOTHING.

STORAGE: NOT PRESCRIBED

DISPOSAL:

DISPOSE OF CONTENTS AND/OR CONTAINER ACCORDING TO FEDERAL, STATE/PROVINCIAL

AND LOCAL GOVERNMENTAL REGULATIONS.

CLASSIFICATION COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD

(29 CFR 1910.1200) AND IS CONSISTENT WITH THE PROVISIONS OF THE UNITED NATIONS GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS (GHS).

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

-----3. COMPOSITION / INFORMATION ON INGREDIENTS -----

| HAZARDOUS COMPONENT(S)                                    | CAS NUMBER | PERCENTAGE* |
|---|------------|-------------|
| DISTILLATES (PETROLEUM), HYDROTREATED<br>HEAVY NAPHTHENIC | 64742-52-5 | 30 - 60     |
| CALCIUM DIHYDROXIDE                                       | 1305-62-0  | 10 - 30     |
| MINERAL OIL LIGHT NAPHTHENIC HYDROTREAT.<br><3% DMSO      | 64742-53-6 | 10 - 30     |
| COPPER  | 7440-50-8  | 10 - 30     |
| GRAPHITE  | 7782-42-5  | 5 - 10      |

QUARTZ (SiO<sub>2</sub>)

14808-60-7

0.1 - 1

\*EXACT PERCENTAGE IS A TRADE SECRET. CONCENTRATION RANGE IS PROVIDED TO ASSIST USERS IN PROVIDING APPROPRIATE PROTECTIONS.

-----4. FIRST AID MEASURES -----

INHALATION:

MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF SYMPTOMS DEVELOP AND PERSIST, GET MEDICAL ATTENTION.

SKIN CONTACT:

WASH WITH SOAP AND WATER. IF SYMPTOMS DEVELOP AND PERSIST, GET 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.

SYMPTOMS: SEE SECTION 11.

-----5. FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA: CARBON DIOXIDE. DRY CHEMICAL. FOAM WATER SPRAY OR FOG.

SPECIAL FIREFIGHTING PROCEDURES: NONE

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON.

-----6. ACCIDENTAL RELEASE MEASURES -----

USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8, ISOLATE THE HAZARD AREA  
AND DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL.

ENVIRONMENTAL PRECAUTIONS:

DO NOT ALLOW MATERIAL TO CONTAMINATE GROUND WATER SYSTEM.

CLEAN-UP METHODS:

SCRAPE UP AS MUCH MATERIAL AS POSSIBLE. CLEAN RESIDUE WITH SOAP AND WATER.

-----7. HANDLING AND STORAGE -----

HANDLING:

USE ONLY WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. KEEP CONTAINER CLOSED. WASH THOROUGHLY AFTER HANDLING.

STORAGE: KEEP IN A COOL, WELL VENTILATED AREA.

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

-----8. EXPOSURE CONTROLS / PERSONAL PROTECTION -----

EMPLOYERS SHOULD COMPLETE AN ASSESSMENT OF ALL WORKPLACES TO DETERMINE THE NEED FOR, AND SELECTION OF, PROPER EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT FOR EACH TASK PERFORMED.

HAZARDOUS COMPONENT(S)      ACGIH TLV      OSHA PEL      AIHA WEEL      OTHER



|  |  |   |      |      |
|--|--|---|------|------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED | 5 MG/M3 TWA<br>MIST                      | 5 MG/M3 TWA<br>MIST   | NONE | NONE |
| HEAVY NAPHTHENIC                         | 10 MG/M3 STEL<br>MIST                    | 500 PPM<br>(2,000 MG/M3)<br>PEL<br>5 MG/M3 PEL<br>MIST.               |      |      |
| CALCIUM DIHYDROXIDE                      | 5 MG/M3 TWA                              | 5 MG/M3 PEL<br>RESPIRABLE<br>FRACTION.<br>15 MG/M3 PEL<br>TOTAL DUST. | NONE | NONE |
| MINERAL OIL LIGHT                        | NONE                                     | 500 PPM   | NONE | NONE |
| NAPHTHENIC HYDROTREAT.<br><3% DMSO       |  | (2,000 MG/M3)<br>PEL<br>5 MG/M3 PEL<br>MIST.                          |      |      |
| COPPER                                   | 1 MG/M3 TWA<br>(AS Cu) DUST<br>AND MIST. | 1 MG/M3 PEL<br>(AS Cu) DUST<br>AND MIST.                              | NONE | NONE |

0.2 MG/M3 TWA 0.1 MG/M3 PEL

(AS Cu) FUME. (AS Cu) FUME.

GRAPHITE 2 MG/M3 TWA 5 MG/M3 PEL NONE NONE

RESPIRABLE RESPIRABLE

FRACTION. FRACTION.

15 MG/M3 PEL

TOTAL DUST.

15 MPPCF TWA

QUARTZ (SiO2) 0.025 MG/M3 2.4 MPPCF TWA NONE NONE

TWA RESPIRABLE.

RESPIRABLE 0.1 MG/M3 TWA

FRACTION. RESPIRABLE.

0.3 MG/M3 TWA

TOTAL DUST.

#### 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). OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE (29 CFR 1910.134).

EYE/FACE PROTECTION:

SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS. FULL FACE PROTECTION SHOULD BE USED IF THE POTENTIAL FOR SPLASHING OR SPRAYING OF PRODUCT EXISTS.

SKIN PROTECTION:

USE IMPERMEABLE GLOVES AND PROTECTIVE CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. USE OF BUTYL OR NITRILE RUBBER GLOVES IS RECOMMENDED.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

PHYSICAL STATE: PASTE

COLOR: COPPER

ODOR: MILD

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT APPLICABLE

VAPOR PRESSURE: <5.0 MMHg

BOILING POINT/RANGE: >260 DEG. C (>500 DEG. F)

MELTING POINT/ RANGE: NOT AVAILABLE.

SPECIFIC GRAVITY: 1.30

VAPOR DENSITY: HEAVIER THAN AIR.

FLASH POINT: >93 DEG. C (>199.4 DEG. F)

FLAMMABLE/EXPLOSIVE LIMITS - LOWER: NOT DETERMINED

FLAMMABLE/EXPLOSIVE LIMITS - UPPER: NOT DETERMINED

AUTOIGNITION TEMPERATURE: NOT DETERMINED

EVAPORATION RATE: SLOWER THAN ETHER.

SOLUBILITY IN WATER: INSOLUBLE

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

VOC CONTENT: <3% ESSENTIALLY ZERO

VISCOSITY: NOT AVAILABLE.

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

-----10. STABILITY AND REACTIVITY -----

STABILITY: STABLE AT NORMAL CONDITIONS.

HAZARDOUS REACTIONS: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROCARBONS. OXIDES OF CARBON.

INCOMPATIBLE MATERIALS: STRONG ACIDS AND STRONG BASES. OXIDIZING AGENTS.

REACTIVITY: NOT AVAILABLE.

CONDITIONS TO AVOID: PROLONGED EXPOSURE TO HEAT.

-----11. TOXICOLOGICAL INFORMATION -----

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS/SYMPTOMS:

INHALATION:

INHALATION OF COPPER FUMES MAY RESULT IN METAL FUME FEVER. SYMPTOMS INCLUDE METALLIC TASTE, DISCOLORATION OF SKIN OR HAIR.

SKIN CONTACT: CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

EYE CONTACT: CAUSES SERIOUS EYE DAMAGE.

INGESTION:

INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

| HAZARDOUS COMPONENT(S) | LD50S AND LC50S | IMMEDIATE AND DELAYED HEALTH EFFECTS |
|------------------------|-----------------|--------------------------------------|
|------------------------|-----------------|--------------------------------------|

|  |      |          |
|--|------|----------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED HEAVY<br>NAPHTHENIC | NONE | IRRITANT |
|--|------|----------|

|                        |                  |  |  |
|------------------------|------------------|--|--|
| CALCIUM DIHYDROXIDE    | ORAL LD50 (RAT): | IRRITANT, CORROSIVE  |  |
|                        |                  | 7,340 MG/KG  |  |
| MINERAL OIL LIGHT      | NONE             | IRRITANT   |  |
| NAPHTHENIC HYDROTREAT. |                  |  |  |
| <3% DMSO               |                  |  |  |
| COPPER                 | NONE             | ALLERGEN, BLOOD, CENTRAL<br>NERVOUS SYSTEM, DEVELOPMENTAL,<br>GASTROINTESTINAL, IMMUNE<br>SYSTEM, IRRITANT, KIDNEY,<br>LIVER, MUTAGEN, SENSORY, SKIN |  |
| GRAPHITE               | NONE             | LUNG   |  |
| QUARTZ (SiO2)          | NONE             | IMMUNE SYSTEM, LUNG, SOME<br>EVIDENCE OF CARCINOGENICITY   |  |
| HAZARDOUS COMPONENT(S) | NTP CARCINOGEN   | IARC CARCINOGEN  | OSHA CARCINOGEN<br>(SPECIFICALLY<br>REGULATED) |

|                          |    |    |    |
|--------------------------|----|----|----|
| DISTILLATES (PETROLEUM), | NO | NO | NO |
|--------------------------|----|----|----|

HYDROTREATED HEAVY

NAPHTHENIC

|                     |    |    |    |
|---------------------|----|----|----|
| CALCIUM DIHYDROXIDE | NO | NO | NO |
|---------------------|----|----|----|

|                   |    |    |    |
|-------------------|----|----|----|
| MINERAL OIL LIGHT | NO | NO | NO |
|-------------------|----|----|----|

NAPHTHENIC HYDROTREAT.

<3% DMSO

|        |    |    |    |
|--------|----|----|----|
| COPPER | NO | NO | NO |
|--------|----|----|----|

|          |    |    |    |
|----------|----|----|----|
| GRAPHITE | NO | NO | NO |
|----------|----|----|----|

|                            |             |         |    |
|----------------------------|-------------|---------|----|
| QUARTZ (SiO <sub>2</sub> ) | KNOWN TO BE | GROUP 1 | NO |
|----------------------------|-------------|---------|----|

HUMAN

CARCINOGEN.

-----12. ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION: NOT AVAILABLE.



-----13. DISPOSAL CONSIDERATIONS -----

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.

RECOMMENDED METHOD OF DISPOSAL:

FOLLOW ALL LOCAL, STATE, FEDERAL AND PROVINCIAL REGULATIONS FOR DISPOSAL.

HAZARDOUS WASTE NUMBER: NOT A RCRA HAZARDOUS WASTE.

-----14. TRANSPORT INFORMATION -----

THE TRANSPORT INFORMATION PROVIDED IN THIS SECTION ONLY APPLIES TO THE MATERIAL/FORMULATION ITSELF, AND IS NOT SPECIFIC TO ANY PACKAGE/CONFIGURATION.

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

PROPER SHIPPING NAME:

RQ, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (COPPER)

HAZARD CLASS OR DIVISION: 9

IDENTIFICATION NUMBER: UN 3082

PACKING GROUP: III

MARINE POLLUTANT: COPPER

DOT HAZARDOUS SUBSTANCE(S): COPPER

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

HAZARD CLASS OR DIVISION: 9

IDENTIFICATION NUMBER: UN 3082

PACKING GROUP: III

WATER TRANSPORTATION (IMO/IMDG):

PROPER SHIPPING NAME:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COPPER)

HAZARD CLASS OR DIVISION: 9

IDENTIFICATION NUMBER: UN 3082

PACKING GROUP: III

MARINE POLLUTANT: COPPER

-----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 ABOVE REPORTING DE MINIMIS

CERCLA/SARA SECTION 302 EHS: NONE ABOVE REPORTING DE MINIMIS

CERCLA/SARA SECTION 311/312: IMMEDIATE HEALTH, DELAYED HEALTH

CERCLA/SARA SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING  
REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372). COPPER (CAS# 7440-50-8).

CERCLA REPORTABLE QUANTITY:

COPPER (CAS# 7440-50-8): 5,000 LBS. (2,270 KG)

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN IN THE STATE OF CALIFORNIA TO CAUSE  
CANCER.

CANADA REGULATORY INFORMATION:

CEPA DSL/NDSL STATUS:

ALL COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM LISTING ON THE CANADIAN  
DOMESTIC SUBSTANCES LIST.

-----16. OTHER INFORMATION -----

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

PREPARED BY: CATHERINE BIMLER, REGULATORY AFFAIRS SPECIALIST

ISSUE DATE: 07/31/2014

DISCLAIMER:

THE DATA CONTAINED HEREIN ARE FURNISHED FOR INFORMATION ONLY AND ARE BELIEVED TO BE RELIABLE. HOWEVER, HENKEL CORPORATION AND ITS AFFILIATES ("HENKEL") DOES NOT ASSUME RESPONSIBILITY FOR ANY RESULTS OBTAINED BY PERSONS OVER WHOSE METHODS HENKEL 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 HENKEL'S PRODUCTS. IN LIGHT OF THE FOREGOING, HENKEL SPECIFICALLY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARISING FROM SALE OR USE OF HENKEL'S PRODUCTS. HENKEL FURTHER DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST PROFITS.