Material Safety Data Sheet

Henkel Technologies

Revision Date: 04/06/2007 **Issue date:** 04/06/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: White Hi-Temp Anti-Seize
Product type: Lubricant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 34517 / IDH No. 302677
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
White mineral oil (petroleum) 8042-47-5	30-60	5mg/m³ TWA (mist:) 10mg/m³ STEL (mist)	5mg/m³ TWA (mist:)	None
White mineral oil PROPRIETARY	10-30	5mg/m³ TWA (mist), 10mg/m³ STEL (mist)	5mg/m³ TWA (mist)	None
Calcium oxide 1305-78-8	5-10	2 mg/m^3 TWA	5 mg/m³ (TWA)	None
Silica,mica 12001-26-2	5-10	3 mg/m^3 TWA	= 20 mppcf TWA	None
Aluminum soap 68411-54-1	5-10	None	None	None
Calcium fluoride 7789-75-5	5-10	2.5 mg/m^3 TWA	2.5 mg/m³ TWA as F	None
Titanium dioxide 13463-67-7	1-5	10 mg/m^3 TWA	15 mg/m³ TWA total dust	None
Boron nitride 10043-11-5	1-5	None	None	None
Silica, quartz 14808-60-7	0.1-1	0.025 mg/m³ TWA respirable fraction	0.1mg/m³ TWA (respirable)	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Solid
Color: Off-white
Odor: Mild

HEALTH: 2
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.

Relevant routes of exposure: Skin, Eyes

Potential Health Effects

Inhalation: This product has low volatility and is not expected to cause respiratory tract irrritation during normal conditions of use. May cause respiratory tract irritation.
Skin contact: Mild skin irritation.
Eye contact: Contact with eyes will cause irritation.
Ingestion: Ingestion 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 disorders. Eye, skin, and respiratory disorders. Skin 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. Get medical attention if symptoms develop and persist.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:	Not applicable Product is a solid.
Autoignition temperature:	Not determined
Flammable/Explosive limits-lower %:	Not determined
Flammable/Explosive limits-upper %:	Not determined
Extinguishing media:	Carbon dioxide (CO2). Dry chemical. Foam. Water spray.
Special fire fighting procedures:	None
Unusual fire or explosion hazards:	None
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. Oxides of zinc. Hydrogen sulfide.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	No special environmental precautions required.
Clean-up methods:	Scrape up as much material as possible. Clean residue with soap and water. Dispose of in accordance with local and national regulations.

7. HANDLING AND STORAGE

Handling:	Keep container closed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area.
Incompatible products:	No information available

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	General room ventilation is usually adequate. Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).
Skin protection:	Cover as much of the exposed skin area as possible with appropriate clothing.
Eye/face protection:	Safety glasses with side-shields. Goggles.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
Color: Off-white
Odor: Mild
Vapor pressure: Not determined
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: 1.116
Vapor density: Not available
Evaporation rate: Not determined
Solubility in water: Insoluble.
Partition coefficient (n-octanol/water): Not determined
VOC content: 0.4%; 4.7 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon. Hydrocarbons.

Incompatability: Oxidizing agents.

Conditions to avoid: Prolonged exposure to heat.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
White mineral oil (petroleum) 8042-47-5	No	No	No
White mineral oil PROPRIETARY	No	No	No
Calcium oxide 1305-78-8	No	No	No
Silica,mica 12001-26-2	No	No	No
Aluminum soap 68411-54-1	No	No	No
Calcium fluoride 7789-75-5	No	No	No
Titanium dioxide 13463-67-7	No	Group 2B	Yes
Boron nitride 10043-11-5	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
White mineral oil (petroleum) 8042-47-5	Irritant
White mineral oil PROPRIETARY	No data
Calcium oxide 1305-78-8	Irritant, Eyes, Corrosive
Silica,mica 12001-26-2	Lung
Aluminum soap 68411-54-1	No data
Calcium fluoride 7789-75-5	Muscle, Respiratory, Teeth
Titanium dioxide 13463-67-7	Irritant, Respiratory
Boron nitride 10043-11-5	Corrosive, Irritant
Silica, quartz 14808-60-7	Some evidence of carcinogenicity, Lung, 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.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: Copper

International Air Transportation (ICAO/IATA):

Proper shipping name: Unrestricted
Hazard class or division: None
Identification number: None
Packing group: None

WaterTransportation (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, Delayed Health Hazard
CERCLA/SARA 313: None above reporting de minimus.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: Contains one or more components listed on the Non-Domestic Substances list. Those components must be tracked by all Canadian Importers of Record as required by the Canadian Environmental Protection Agency. They may be imported into Canada in limited quantities. Please contact Product Safety and Regulatory Affairs for details.
WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 15

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