



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	White Hi-Temp Anti-Seize	IDH number:	302678
Product type:	Lubricant	Item number:	34518
		Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: 860.571.5100		
One Henkel Way	Emergency telephone: 860.571.5100		
Rocky Hill, Connecticut 06067	Internet: www.henkelna.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	solid	HEALTH:	*2
Color:	Off white	FLAMMABILITY:	1
Odor:	Mild	PHYSICAL HAZARD:	0
		Personal Protection:	See MSDS 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 irritation 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.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
White mineral oil (petroleum), highly refined	8042-47-5	30 - 60
White Mineral Oil	Unknown	10 - 30
Calcium oxide	1305-78-8	5 - 10
Mica	12001-26-2	5 - 10
Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid	68411-54-1	5 - 10
Ca-fluoride	7789-75-5	5 - 10
Titanium dioxide	13463-67-7	1 - 5
Boron nitride	10043-11-5	1 - 5
Quartz (SiO2)	14808-60-7	0.1 - 1
Boron oxide (B2O3)	1303-86-2	0.1 - 1
Butyl hydroxytoluene	128-37-0	0.1 - 1

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	If symptoms develop and persist, get medical attention. Wash with soap and water.
Eye contact:	Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.
Ingestion:	Get medical attention. Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis.

5. FIRE FIGHTING MEASURES

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

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:	No special environmental precautions required.
Clean-up methods:	Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.

7. HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Keep container closed. Avoid contact with eyes, skin and clothing.
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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
White mineral oil (petroleum), highly refined	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 TWA mist 5 mg/m3 TWA Mist.	None	None
White Mineral Oil	5 mg/m3 TWA mist 10 mg/m3 STEL mist	5 mg/m3 TWA mist	None	None
Calcium oxide	2 mg/m3 TWA	5 mg/m3 TWA	None	None
Mica	3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA	None	None
Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid	1 mg/m3 TWA Respirable fraction.	None	None	None
Ca-fluoride	2.5 mg/m3 TWA (as F)	2.5 mg/m3 TWA Dust. 2.5 mg/m3 TWA (as F)	None	None
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 TWA Total dust.	None	None
Boron nitride	None	None	None	None
Quartz (SiO2)	0.025 mg/m3 TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	None
Boron oxide (B2O3)	10 mg/m3 TWA	15 mg/m3 TWA Total dust.	None	None
Butyl hydroxytoluene	2 mg/m3 TWA Inhalable fraction and vapor.	None	None	None

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:

Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Eye/face protection:

Goggles. Safety glasses with side-shields.

Skin protection:

Cover as much of the exposed skin area as possible with appropriate clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	solid
Color:	Off white
Odor:	Mild
Odor threshold:	Not available
pH:	Not applicable
Vapor pressure:	Not available
Boiling point/range:	Not available
Melting point/ range:	Not available
Specific gravity:	1.116
Vapor density:	Not available
Flash point:	Not applicable
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	Not determined
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
VOC content:	0.4 %; 4.7 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Hydrocarbons.
Incompatible materials:	Oxidizing agents.
Conditions to avoid:	Prolonged exposure to heat.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
White mineral oil (petroleum), highly refined	No	No	No
White Mineral Oil	No	No	No
Calcium oxide	No	No	No
Mica	No	No	No
Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid	No	No	No
Ca-fluoride	No	No	No
Titanium dioxide	No	Group 2B	No
Boron nitride	No	No	No
Quartz (SiO ₂)	Known carcinogen.	Group 1	No
Boron oxide (B ₂ O ₃)	No	No	No
Butyl hydroxytoluene	No	No	No

Hazardous components	Health Effects/Target Organs
White mineral oil (petroleum), highly refined	Irritant
White Mineral Oil	Irritant
Calcium oxide	Irritant, Corrosive, Eyes
Mica	Lung
Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid	No Records
Ca-fluoride	Teeth, Muscle, Respiratory
Titanium dioxide	Irritant, Respiratory, Some evidence of carcinogenicity
Boron nitride	Irritant, Corrosive
Quartz (SiO ₂)	Immune system, Lung, Some evidence of carcinogenicity
Boron oxide (B ₂ O ₃)	Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Lung, Metabolic, Nuisance dust, Skin, Vascular
Butyl hydroxytoluene	Irritant, Mutagen

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

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

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: 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 above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health
CERCLA/SARA 313: None above reporting de minimus
California Proposition 65: This product contains a chemical known in 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. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional 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: New Material Safety Data Sheet format.

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