

**View Section :    1   2   3   4   5   6   7   8   9   10   11   12   13   14   15   16****SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** White Hi-Temp Anti-Seize  
**REVISION NUMBER:** 002.1  
**ISSUED:** 06/03/2010  
**EMERGENCY PHONE:** 860.571.5100  
**Web Site:** www.henkelna.com  
**MSDS Manufacturer Number:** 302677  
**PHONE INFO:** 860.571.5100  
**Region:** United States  
**Item number:** 34517  
**ADDRESS:** Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067  
**TRADE NAME:** White Hi-Temp Anti-Seize  
**Product Information:** Lubricant

**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

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

**SECTION 3 - HAZARDS IDENTIFICATION**

**PHYSICAL STATE:** solid  
**COLOR:** Off white  
**ODOR:** Mild  
**ROUTES OF ENTRY:** Skin, Eyes  
**EMERGENCY OVERVIEW:** CAUTION: MAY CAUSE EYE AND SKIN IRRITATION.  
**AGGRAVATION OF CONDITIONS:** Eye disorders. Eye, skin, and respiratory disorders. Skin disorders.  
**Hazards Comments:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). See Section 11 for additional toxicological information.  
**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.  
**SKIN CONTACT:** Mild skin irritation.  
**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.

**SECTION 4 - FIRST AID MEASURES**

**INGESTION:** Get medical attention. Do not induce vomiting. Aspiration may cause pulmonary edema and pneumonitis.  
**EYE CONTACT:** Get medical attention. Immediately flush eyes with plenty of water for at least 15 minutes.  
**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.

**SECTION 5 - FIRE FIGHTING MEASURES**

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen sulfide. Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. Oxides of zinc.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None  
**SPECIAL FIRE FIGHTING PROCEDURES:** None  
**EXTINGUISHING MEDIA:** Carbon dioxide. Dry chemical. Foam. Water spray or fog.  
**FLAMMABLE LIMITS - UEL:** Not determined  
**AUTOIGNITION TEMPERATURE:** Not determined  
**FLAMMABLE LIMITS - LEL:** Not determined  
**FLASH POINT:** Not applicable

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Spill Notes:** Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>SPILL CLEAN UP MEASURES:</b>	Scrape up as much material as possible. Clean residue with soap and water. Follow all local, state, federal and provincial regulations for disposal.
<b>ENVIRONMENTAL DATA:</b>	No special environmental precautions required.

## SECTION 7 - HANDLING and STORAGE

<b>STORAGE:</b>	Keep in a cool, well ventilated area.
<b>Handling Notes:</b>	For information on product shelf life contact Henkel Customer Service at (800) 243-4874.
<b>HANDLING:</b>	Wash thoroughly after handling. Keep container closed. Avoid contact with eyes, skin and clothing.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

<b>Ingredient Guideline Notes:</b>	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.
<b>EYE PROTECTION:</b>	Goggles. Safety glasses with side-shields.
<b>SKIN PROTECTION:</b>	Cover as much of the exposed skin area as possible with appropriate clothing.
<b>RESPIRATORY PROTECTION:</b>	Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>ENGINEERING CONTROLS:</b>	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.
<b>Ingredient:</b>	White mineral oil (petroleum), highly refined
<b>ACGIH TLV - TWA:</b>	5 mg/m3 TWA Inhalable fraction.
<b>OSHA PEL (TWA):</b>	5 mg/m3 TWA mist 5 mg/m3 TWA Mist.
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	White Mineral Oil
<b>ACGIH TLV - TWA:</b>	5 mg/m3 TWA mist 10 mg/m3 STEL mist
<b>OSHA PEL (TWA):</b>	5 mg/m3 TWA mist
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Calcium oxide
<b>ACGIH TLV - TWA:</b>	2 mg/m3 TWA
<b>OSHA PEL (TWA):</b>	5 mg/m3 TWA
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Mica
<b>ACGIH TLV - TWA:</b>	3 mg/m3 TWA Respirable fraction.
<b>OSHA PEL (TWA):</b>	20 MPPCF TWA
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid
<b>ACGIH TLV - TWA:</b>	1 mg/m3 TWA Respirable fraction.
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Ca-fluoride
<b>ACGIH TLV - TWA:</b>	2.5 mg/m3 TWA (as F)
<b>OSHA PEL (TWA):</b>	2.5 mg/m3 TWA Dust. 2.5 mg/m3 TWA (as F)
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Titanium dioxide
<b>ACGIH TLV - TWA:</b>	10 mg/m3 TWA
<b>OSHA PEL (TWA):</b>	15 mg/m3 TWA Total dust.
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Boron nitride
<b>ACGIH TLV - TWA:</b>	None
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Quartz (SiO2)
<b>ACGIH TLV - TWA:</b>	0.025 mg/m3 TWA Respirable fraction.
<b>OSHA PEL (TWA):</b>	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Boron oxide (B2O3)
<b>ACGIH TLV - TWA:</b>	10 mg/m3 TWA
<b>OSHA PEL (TWA):</b>	15 mg/m3 TWA Total dust.
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None
<b>Ingredient:</b>	Butyl hydroxytoluene
<b>ACGIH TLV - TWA:</b>	2 mg/m3 TWA Inhalable fraction and vapor.
<b>OSHA PEL (TWA):</b>	None
<b>AIHA WEEL:</b>	None
<b>OTHER:</b>	None

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	solid
<b>COLOR:</b>	Off white

<b>ODOR:</b>	Mild
<b>VAPOR PRESSURE:</b>	Not available
<b>pH:</b>	Not applicable
<b>BOILING POINT:</b>	Not available
<b>MELTING POINT:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	1.116
<b>VAPOR DENSITY:</b>	Not available
<b>EVAPORATION RATE:</b>	Not determined
<b>SOLUBILITY IN WATER:</b>	Insoluble
<b>Kow - Oct/Water partition coef:</b>	Not determined
<b>VOLATILE ORGANIC COMPOUNDS:</b>	0.4 %; 4.7 g/l
<b>ODOR THRESHOLD:</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Flammable Limits - LEL:</b>	Not determined
<b>Flammable Limits - UEL:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined

#### SECTION 10 - STABILITY and REACTIVITY

<b>DANGEROUS REACTIONS:</b>	Will not occur.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Oxides of carbon. Hydrocarbons.
<b>INCOMPATIBLE MATERIALS:</b>	Oxidizing agents.
<b>CONDITIONS TO AVOID:</b>	Prolonged exposure to heat.
<b>STABILITY:</b>	Stable at normal conditions.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Chemical Name:</b>	Butyl hydroxytoluene
<b>Health Effects/Target Organs:</b>	Irritant, Mutagen
<b>Chemical Name:</b>	Boron oxide (B2O3)
<b>Health Effects/Target Organs:</b>	Blood, Central nervous system, Gastrointestinal, Irritant, Kidney, Liver, Lung, Metabolic, Nuisance dust, Skin, Vascular
<b>Health Effects/Target Organs:</b>	Immune system, Lung, Some evidence of carcinogenicity
<b>Chemical Name:</b>	Boron nitride
<b>Health Effects/Target Organs:</b>	Irritant, Corrosive
<b>Chemical Name:</b>	Quartz (SiO2)
<b>Health Effects/Target Organs:</b>	Teeth, Muscle, Respiratory
<b>Chemical Name:</b>	Titanium dioxide
<b>Health Effects/Target Organs:</b>	Irritant, Respiratory, Some evidence of carcinogenicity
<b>Health Effects/Target Organs:</b>	No Records
<b>Chemical Name:</b>	Ca-fluoride
<b>Chemical Name:</b>	Mica
<b>Health Effects/Target Organs:</b>	Lung
<b>Chemical Name:</b>	Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid
<b>Health Effects/Target Organs:</b>	Irritant
<b>Chemical Name:</b>	Calcium oxide
<b>Health Effects/Target Organs:</b>	Irritant, Corrosive, Eyes
<b>Chemical Name:</b>	White Mineral Oil
<b>Chemical Name:</b>	White mineral oil (petroleum), highly refined
<b>Health Effects/Target Organs:</b>	Irritant
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Butyl hydroxytoluene
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Boron oxide (B2O3)
<b>OSHA:</b>	No
<b>IARC:</b>	Group 1
<b>NTP:</b>	Known carcinogen.
<b>Chemical Name:</b>	Quartz (SiO2)
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Boron nitride
<b>OSHA:</b>	No
<b>IARC:</b>	Group 2B
<b>NTP:</b>	No
<b>Chemical Name:</b>	Titanium dioxide
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Ca-fluoride
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Aluminum, tri-m-oxotris(2-propanolato)tri-, cyclo, reaction products with benzoic acid and stearic acid
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Mica

<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	Calcium oxide
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	White Mineral Oil
<b>OSHA:</b>	No
<b>IARC:</b>	No
<b>NTP:</b>	No
<b>Chemical Name:</b>	White mineral oil (petroleum), highly refined

## SECTION 12 - ECOLOGICAL INFORMATION

<b>ECOTOXICOLOGICAL INFORMATION:</b>	Not available
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## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Disposal Notes:</b>	Information provided is for unused product only.
<b>EPA Hazardous Waste Number (RCRA):</b>	Not a RCRA hazardous waste.
<b>WASTE DISPOSAL:</b>	Follow all local, state, federal and provincial regulations for disposal.

## SECTION 14 - TRANSPORT INFORMATION

<b>IMDG Proper shipping name:</b>	Not regulated
<b>IMDG Class:</b>	None
<b>IMDG UN Number:</b>	None
<b>IMDG Packing group:</b>	None
<b>IATA Packing group:</b>	None
<b>IATA Class:</b>	None
<b>IATA UN Number:</b>	None
<b>IATA Proper shipping name:</b>	Not regulated
<b>DOT Identification number:</b>	None
<b>DOT Packing group:</b>	None
<b>DOT Hazard class:</b>	None
<b>DOT Proper shipping name:</b>	Not regulated

## SECTION 15 - REGULATORY INFORMATION

<b>WHMIS:</b>	D.2.A, D.2.B
<b>DSL/NDSL:</b>	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.
<b>SECTION 302 EHS:</b>	None above reporting de minimus
<b>311/312 Hazard Categories:</b>	Immediate Health, Delayed Health
<b>SECTION 313:</b>	None above reporting de minimus
<b>California Proposition 65:</b>	This product contains a chemical known in the State of California to cause cancer.
<b>TSCA INVENTORY STATUS:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA EXPORT NOTIFICATION:</b>	None above reporting de minimus

## SECTION 16 - ADDITIONAL INFORMATION

<b>HMIS - PERSONAL PROTECTION:</b>	See MSDS Section 8
<b>HMIS - FLAMMABILITY:</b>	1
<b>HMIS - REACTIVITY:</b>	0
<b>HMIS - HEALTH:</b>	*2
<b>COMMENTS:</b>	This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.
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