

Material Safety Data Sheet

PERMATEX ANTI SEIZE LUBRICANT 226gm JAR

Infosafe No. L003D **Issue Date** February 1998 **Status** ISSUED by LOCTITE

Not classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

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IDENTIFICATION

Product Code 80078

Product Name PERMATEX ANTI SEIZE LUBRICANT 226gm JAR

Proper

Shipping Name None Allocated

Other Names **Name** **Product Code**

PERMATEX ANTI SEIZE LUBRICANT

PERMATEX ANTI SEIZE LUBRICANT 28 gm TUBE 81343

PERMATEX ANTI-SEIZE

ANTI-SEIZE

133AR

133K

UN Number None Allocated

DG Class None Allocated

Packing Group None Allocated

Hazchem Code None Allocated

Poisons

Schedule Not Scheduled

Product Use LUBRICANT FOR HIGH TEMPERATURE, EXTREME PRESSURE APPLICATIONS.

Physical Data

Appearance	COLOUR SILVER, THIXOTROPIC PASTE, VERY HIGH VISCOSITY.
Melting Point	N/A
Boiling Point	N/A
Vapour Pressure	< 5mm Hg. @ 27°C
Specific Gravity	1.10
Flash Point	> 93°C (TCC)
Flamm. Limit	N/A
LEL	N/A
Explosion Data	N/A

Other Properties

Volatile Component	4.14% EPA method 24
Autoignition Temp.	N/A
Vapour Density	N/A
pH Value	N/A
Form	Liquid
Decomposition Temperature	N/A
Molecular Weight	N/A
Other Information	PASTE.

Ingredients

Ingredients	Name	CAS	Proportion
HIGH VISCOSITY MINERAL OIL	64742-52-	0-50 %	
	5		
GRAPHITE POWDER	7782-42-5	0-20 %	
ALUMINIUM	7429-90-5	0-15 %	
MINERAL OIL (PETROLEUM DISTILLATE)	64742-53-	0-15 %	
Hydrotreated heavy naptha	64742-48-	0-10 %	
	9		
Note: The above ingredients are present		0-10 %	
LITHIUM SOAP	7620-77-1	0-5 %	
POLY(DIMETHYLSILOXANE)		0-5 %	
DIMETHYL SILICA (QUARTZ)	14808-60-	0-1 %	
	7		

in percentages by weight, less than shown.

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed	Not expected to be harmful if swallowed. May cause irritation to the mucous membranes and gastro-intestinal tract. Refer to TOXICITY DATA SECTION.
Acute - Eye	Product is a mild eye irritant.
Acute - Skin	Contact with skin may result in irritation.
Acute - Inhaled	Only a small percent of the material is volatile. Inhalation of vapour may result in mild irritation to the upper respiratory tract.
Chronic	Repeated or prolonged skin contact can cause chronic dermatitis. This material contains a small amount of silica quartz which over a long period of time, can result in scarring and stiffening of the lungs, known as silicosis.

First Aid

Swallowed	Do not induce vomiting, give a glass of water and seek medical attention.
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. There may be residual fine particles, however, after eye washing and medical attention should be sought in all instances of eye contamination.
Skin	Wash with plenty of soap and water. Seek medical advice if effects persist. Refer to TOXICITY DATA SECTION.
Inhaled	Remove victim to fresh air. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible - either on site or at the nearest hospital.
First Aid Facilities	Eye wash station and normal washroom facilities must be provided and a safety shower is strongly recommended.

Advice to Doctor

Advice to Doctor	Treat symptomatically. There may be a risk of the material being aspirated into lungs. Contains a small amount of silica containing component which has been implicated in causing lung damage. In the levels present is not expected to be a cause of health effects if used as indicated in this data sheet. Refer to TOXICITY DATA SECTION.
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Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	FootNote
	ALUMINIUM			10		As metal dust
	SILICA (QUARTZ)			0.2		
Other Exposure Info.	No exposure standards have been established for this product; but a standard does exist for the following ingredient/s:					
	SUBSTANCE	TWA	STEL			
	MINERAL OIL	5 mg/m3 mist	5mg/m3 mist			
	GRAPHITE	3 mg/m3 respirable	-			
	ALUMINIUM	10 mg/m3 dust	-			
	ALUMINIUM OXIDE	10 mg/m3 dust	-			

SILICA (QUARTZ)	0.2 mg/m ³ dust	-
Exposure Limits (STEL) ACGIH (TLV)	OSHA (PEL)	
MINERAL OIL	10mg/m ³ mist	None
MINERAL OIL (PETROLEUM DISTILLATES)	10mg/m ³ mist	None
HYDROTREATED	10mg/m ³ mist	None
HEAVY NAPTHA		

Eng. Controls Use with adequate ventilation.
Maintain concentration below recommended exposure limit if misting of oil occurs or compound becomes dry.

Personal Protection

Protective Equip. Wearing of the following personal protective equipment is recommended. Safety glasses. PVC, neoprene or nitrile rubber gloves. A combined vapour/particulate filter respirator as specified by AS/NZS 1715 and 1716 is recommended.

Flammability

Fire Hazards Combustible material. Remove all sources of ignition, heat and naked flames.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Store away from sources of ignition and hot surfaces
Proper Shipping Name None Allocated

Spills and Disposal

Spills & Disposal Wipe up residue with a cloth. In event of large spill:.. Clean up using a shovel. Dispose of in normal industrial waste bin. Wash area down with detergent and excess water.

Fire/Explosion Hazard

Fire/Explos. Hazard No unusual fire hazard. Flash point is in excess of 95 °C. In the event of fire use DRY POWDER , FOAM or CARBON DIOXIDE extinguishers - DO NOT USE WATER.

Hazardous Reaction Material may react with strong acids and oxidising agents.
Hazchem Code None Allocated

OTHER INFORMATION

Toxicology This product contains mineral oil and the skin should be cleansed thoroughly after any contact. - EYE CONTACT - There may be residual fine particles, however, after eye washing and medical attention should be

sought in all instances of eye contamination. This product is otherwise of relatively low toxicity and will act as a laxative in the unlikely event of being swallowed. The mineral oil content of Permatex Anti Seize Lubricant is a highly refined mineral oil. Refining removes potential carcinogens such as polycyclic aromatics, aromatic heterocyclics, benzo (a) pyrenes etc. Nevertheless, sensible precautions should always be taken when handling mineral oil based materials.

Information on Ecological Effects Avoid contaminating waterways.

Pkg. & Labelling No special packaging and labelling required.

CONTACT POINT

Contact Technical Services Manager: Gerard Buys (02)9525 8366 / (0411) 669 002

End of MSDS
