



MATERIAL SAFETY DATA SHEET

in accordance with 91/155/EEC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: 622 White Grease

Date of Preparation: 12 March 2003

MSDS No. 188-10

Not classified as hazardous according to criteria of Worksafe Australia.

Company:

A.W. CHESTERTON COMPANY
225 Fallon Road
Stoneham, MA 02180-2999, USA
Tel.: 781-438-7000
(Mon. - Fri. 8:30 - 5:00 PM EST)

Supplier:

For Chemical Emergency:

24 hours per day, 7 days per week

Call Infotrac: 1-800-535-5053

Outside N. America: 352-323-3500 (collect)

Use: Pure mineral oil grease with Polytetrafluoroethylene (PTFE) added. For processing and packaging machinery. A superior quality, clean, multi-purpose grease to lubricate slides, guides, moving parts of equipment in food, beverage, pharmaceutical, textile and other plants processing clean materials or packages.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients [†]	% Wt.	CAS No.	EC No.	Symbol	R-phrases
Mineral Oil	75-80	8042-47-5	232-455-8	–	–
Zinc Oxide	1-5	1314-13-2	215-222-5	–	–

3. HAZARDS IDENTIFICATION

None expected in industrial use. It is nontoxic at ambient temperatures. When heated to temperatures above 260°C (500°F), perfluorocarbon resins begin to give off vapors that may cause temporary flu-like symptoms if inhaled. Thermal decomposition leads to the formation of oxidized products containing carbon, fluorine and oxygen. The ACGIH states that no exposure limit is recommended pending determination of the toxicity of the products, but air concentration should be minimal. Likewise, when using this product avoid smoking for the same reason. Avoid contamination of tobacco products.

4. FIRST AID MEASURES

Inhalation: not applicable

Skin Contact: Wash skin with soap and water. Contact physician if irritation persists.

Eye Contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: Do not induce vomiting. Contact physician immediately.

Advice to Physician: Treat symptoms.

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[†]Classified according to: * 29 CFR 1910.1200, 1915, 1916, 1917
* Mass. Right-to-Know Law (ch. 40, M.G.L.O. 111F)
* Canadian WHMIS regulations
* 67/548/EEC (28th Adaptation) and 99/45/EC
* Worksafe Australia [NOHSC: 1008 (1999)]

5. FIRE FIGHTING MEASURES

Extinguishing Methods: Carbon Dioxide, dry chemical, foam or water spray

Unusual Fire and Explosion Hazards: none

Special Fire Fighting Measures: Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus to protect against hazardous decomposition products.

Flammability Classification: -

HAZCHEM Emergency Action Code: 2 **Z**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Utilize exposure controls and personal protection as specified in Section 8.

Environmental Precautions: Keep out of sewers, streams and waterways.

Methods of Clean Up: Scoop up and transfer to a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contamination of tobacco products. Do not smoke while using the product.

Storage: Store in cool, dry area in closed containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredients	OSHA		ACGIH TLV		AUSTRALIA	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Mineral Oil	(oil mist)	5	(oil mist)	5	-	-
Zinc Oxide	(fume)	5	(fume)	5	(fume)	5
				STEL		STEL
				10		10

Respiratory Protection: Not normally needed. If exposure limit is exceeded, use organic vapor respirator for mists.

Ventilation: No special requirements. If using under extreme heat, use local exhaust.

Protective Gloves: Chemical resistant gloves (e.g., Butyl rubber or Neoprene)

Eye Protection: Safety glasses

Other: Chesterton recommended limit (OSHA PEL): 5 mg/m³ - oil mist

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	grease	Odour	mild
Colour	white	Vapour pressure @ 20°C	not determined
Initial boiling point	not determined	% Aromatics by weight	0
Melting point	not determined	pH	not applicable
% Volatile (by volume)	0	Density	0,9 kg/l
Flash point	216°C (420°F)	Weight per volume	7.6 lbs/gal.
Method	D92	Coefficient (water/oil)	not determined
Viscosity	not determined	Vapour density (air=1)	> 1
Autoignition temp.	not determined	Rate of evaporation (ether=1)	< 1
Explosion limits	not determined	Solubility in water	negligible
		Other	none

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Hydrogen Chloride and other toxic fumes and at temperatures above 260°C (500°F) perfluorocarbon resin fumes.
Conditions to Avoid:	Extreme heat above 260°C (500°F).
Materials to Avoid:	Strong oxidizers like liquid Chlorine and concentrated Oxygen.

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under Normal Use:	Skin and eye contact.
Acute Effects:	Mild transient skin and eye irritant.
Chronic Effects:	Prolonged or repeated skin contact may cause skin irritation.
Other Information:	As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility:	Solubility in water: negligible. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Mineral Oil: expected to exhibit low mobility in soil.
Degradability:	Mineral Oil: not readily biodegradable.
Accumulation:	not determined
Ecotoxicity:	Oil products, improperly released to the environment, can cause ground and water pollution.

13. DISPOSAL CONSIDERATIONS

Stabilized and solidified material may be buried in an approved area. Check local, state and national/federal regulations and comply with the most stringent requirement.

EWC-code: 13 02 08

14. TRANSPORT INFORMATION

TDG:	NONHAZARDOUS, NOT REGULATED	U.S. DOT : Shipping Name: NONHAZARDOUS Hazard Class: NOT REGULATED UN/NA # : NOT APPLICABLE Packaging Group # NOT APPLICABLE Emergency Response Guide Book No. - NOT APPLICABLE
IMDG:	NONHAZARDOUS, NOT REGULATED	
IATA/ICAO:	NONHAZARDOUS, NOT REGULATED	
ADR/RID:	NONHAZARDOUS, NOT REGULATED	

15. REGULATORY INFORMATION

European Classification:[†]	none
R-Phrase(s):	—
S-Phrase(s):	—
Name of the substances on the label:	none
Other labelling information:	none

Canadian Classification: [†]	none
Risk Phrase(s):	–
Precautionary and First Aid Measure(s):	–
Other labelling information:	none

16. OTHER INFORMATION

US EPA SARA TITLE III		Hazardous Materials Identification System (HMIS)	
312 Hazards :	313 Chemicals :	4 = Severe Hazard	HEALTH
Immediate	Zinc Compound	3 = Serious Hazard	FLAMMABILITY
		2 = Moderate Hazard	REACTIVITY
		1 = Slight Hazard	Personal Protection
		0 = Minimal Hazard	
		* = See Section 8	
	1-5%		

JAPAN PRTR	Class I Chemicals :	Class II Chemicals :
	none	none

Risk phrases in section 2: none

Changes to the MSDS in this revision: sections 2, 8, 12, 13, 15.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the accuracy of the data or the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.