

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier:

**MARINE MAX GREASE**

Product code: MMG300T, MMG1L

Synonyms: Woolgrease, anhydrous lanolin

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

water resistant, anti corrosive, underwater and general purpose grease

#### 1.3. Details of the supplier of the safety data sheet:

##### **Woolube Europe**

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Eastgate Business Park,  
Little Island,  
Cork  
Ireland

Tel.: + 353 86 8233889

E-mail: [sales@woolube.ie](mailto:sales@woolube.ie)

Website:

[www.woolube.ie](http://www.woolube.ie)

##### **Woolube Laboratories**

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NSW 2082, Australia

Tel.: + 61 294566300

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E-mail: [info@woolube.com.au](mailto:info@woolube.com.au)

Website: [www.woolube.com.au](http://www.woolube.com.au)

#### 1.3.1. Responsible person:

Peter Creighton

E-mail:

[petercreighton@woolube.ie](mailto:petercreighton@woolube.ie)

#### 1.4. Emergency telephone number:

+ 353 86 8233889 (8-16 h)

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification based on the REACH regulation:

**Not considered as hazardous mixture.**

Risk phrases: -

Safety phrases: -

#### 2.2. Label elements

**No labeling required.**

Risk phrases: -

Safety phrases: -

#### 2.3. Other hazards

Ingestion: this product is practically non-harmful if swallowed. Considered an unlikely route of entry in commercial or industrial environments.

Eye contact: may cause slight discomfort to the eyes.

Skin contact: will not cause irritation to the skin.

Inhalation: mists from the product may produce discomfort in the upper respiratory tract. Inhalation hazard is increased at elevated temperatures.

Chronic exposure: very isolated cases of skin sensitization to lanolin have been reported, however this incidence of allergy is extremely low (NIOSHTIC) thought to be „swint” or sheep’s sweat/dandruff, inevitably extracted with the crude lanolin during processing.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Mixture:

Description	CAS number:	EU number	REACH reg. nr.	Concentration (%)	Classification				
					REACH		CLP		
					Hazard symbol	R phrase	Hazard pict.	Hazard cat.	H phrase
<b>Lanolin*</b>	8006-54-0	232-348-6	-	98	-	-	-	-	-
<b>Natural ester blend*</b>	-	-	-	2	-	-	-	-	-

\* Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures:

##### IN CASE OF INGESTION:

Measures:

- If swallowed, do not induce vomiting.
- Give water or milk to rinse out mouth then give liquid slowly and as much as can comfortably be drunk.
- Seek medical advice.

##### IN CASE OF INHALATION:

Measures:

- Take the victim into fresh air, loosen his clothes and let him rest.
- In case of symptoms, obtain medical attention and show him the label!

##### IN CASE OF SKIN CONTACT:

Measures:

- If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water.
- If irritation persists, transport hospital or doctor.

##### IN CASE OF EYE CONTACT:

Measures:

- If material splashed onto eyes, immediately flush with plenty of water for 15 minutes, ensuring eyelids are held open.
- If irritation persists, transport hospital or doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed:

Ingestion: this product is practically non-harmful if swallowed. Considered an unlikely route of entry in commercial or industrial environments.

Eye contact: may cause slight discomfort to the eyes.

Skin contact: will not cause irritation to the skin.

Inhalation: mists from the product may produce discomfort in the upper respiratory tract. Inhalation hazard is increased at elevated temperatures.

Chronic exposure: very isolated cases of skin sensitization to lanolin have been reported, however this incidence of allergy is extremely low (NIOSHTIC) thought to be „swint” or sheep’s sweat/dandruff, inevitably extracted with the crude lanolin during processing.

#### 4.3. Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. Eye wash fountain, safety shower and normal washroom facilities are needed.

### 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media:

##### 5.1.1. Suitable extinguishing media:

Use extinguishing media suitable for surrounding fire situation.

##### 5.1.2. Unsuitable extinguishing media:

None known.

#### 5.2. Special hazards arising from the substance or mixture:

May decompose on heating emitting oxides of carbon. May emit acrid smoke. This material is a combustible liquid at elevated temperatures. Slight fire hazard when exposed to heat or flame.

#### 5.3. Advice for firefighters:

Wear full protective clothing and self-contained breathing apparatus. If safe to do so, move undamaged containers from fire area.

**6. ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. For emergency responders:

Material may be slippery when spilt. Walk cautiously.  
 Stop leak if safe to do so.

6.2. Environmental precautions:

Dispose of spillage and waste (product/packaging) in accordance with all applicable environmental laws. Do not allow to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Minor spills: collect and seal in properly labelled containers for disposal.

Major spills: wear impervious gloves and safety glasses. Contain spill with sand, earth or vermiculite. Collect residues and seal in labelled drums for disposal. Wash spill area thoroughly with water and suitable detergent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

**7. HANDLING AND STORAGE**

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

Technical measures:

Ensure adequate ventilation!

Prevent formation of aerosols.

Precautions against fire and explosion:

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Keep in original, tightly closed and labelled container.

The place of storage has to be properly ventilated and cleanable.

Store in a cool place and out of direct sunlight.

Store away from sources of heat or ignition.

Keep container tightly sealed when not using the product.

Follow all instructions on the label.

Incompatible materials: oxidizing agents.

Packaging material: original packages.

7.3. Specific end use(s):

No specific instructions available.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters:

**No exposure limit value is available in the EU for the components of the product.**

DNEL		Routes of exposure	Exposure frequency:	Remarks:
Worker	Consumer			
		Dermal	Short term (acute) Long term (repeated)	
		Inhalative	Short term (acute) Long term (repeated)	
		Oral	Short term (acute) Long term (repeated)	

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
			Short term (single use) Long term (continuous)	
			Short term (single use) Long term (continuous)	
			Short term (single use) Long term (repeated)	

- 8.2. Exposure controls:  
In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.
- 8.2.1 Appropriate engineering controls  
In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin. Maintain adequate ventilation at all times. In most circumstances, natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.
- 8.2.2. Individual protection measures, such as personal protective equipment:
1. Eye/face protection: chemical goggles or face shield to protect eyes.
  2. Skin protection:
    - a. Hand protection: not normally required, however, if handling large quantities or if the skin is likely to be exposed to this product over prolonged periods, then the use of PVC or natural rubber is recommended.
    - b. Other: not normally required.
  3. Respiratory protection: avoid breathing of vapours/gases. Select and use respirators in accordance with the national/European standards. The use of a dust mask (disposable) or a half-face respirator with P1 filter is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a self-contained breathing apparatus (SCBA) with positive pressure air supply complying the national/European standards.
  4. Thermal hazard: None known.
- 8.2.3. Environmental exposure controls:  
No specific prescription.  
**The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.**

## 9. **PHYSICAL AND CHEMICAL PROPERTIES:**

### 9.1. Information on basic physical and chemical properties:

Parameter	Test method:	Remarks:
1. <b>Appearance:</b>		
2. <b>Odour:</b>		
3. Odour threshold:		
4. pH value:		
5. Melting point/freezing point:	175°C	decomposition
6. Initial boiling point and boiling range:	no data available	
7. Flash point:	232 – 238°C	*
8. Evaporation rate:	no data available	
9. Flammability:	no data available	
10. Upper/lower flammability or explosive limits:	no data available	
11. Vapour pressure:	no data available	
12. Relative density:	no data available	
13. Solubility(ies):	Immiscible in water.	
14. Partition coefficient: n-octanol/water:	no data available	
15. Self-ignition temperature:	no data available	
16. Degradation temperature:	no data available	
17. Viscosity:	no data available	
18. Explosive properties:	no data available	
19. Oxidizing properties:	no data available	

### 9.2. Other information:

Specific gravity: 0,89 – 0,95

\* Complies with Flash Point Determination in accordance with AS 2106.2:1999 using the Pensky-Martens apparatus conducted by Department of Mineral Resources, Mine Safety Laboratory.

## 10. **STABILITY AND REACTIVITY**

### 10.1. Reactivity:

None known.

### 10.2. Chemical stability:

At normal temperature: stable at general conditions of work.

### 10.3. Possibility of hazardous reactions:

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid:

High temperatures and incompatibilities.

- 10.5. Incompatible materials:  
Oxidizing agents.
- 10.6. Hazardous decomposition products:  
Emist smoke and fumes when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:  
Acute toxicity: None known.  
Irritation: None known.  
Corrosivity: None known.  
Sensitisation: None known.  
Reproductive toxicity: None known.  
Carcinogenicity: None known.  
Mutagenicity: None known.  
Reproduction toxicity: None known.
- 11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:  
No data available.
- 11.1.2. Relevant toxicological properties of the hazardous substances:  
No data available.
- 11.1.3. Information on likely routes of exposure:  
Ingestion, inhalation, skin and eye contact.
- 11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:  
Ingestion: this product is practically non-harmful if swallowed. Considered an unlikely route of entry in commercial or industrial environments.  
Eye contact: may cause slight discomfort to the eyes.  
Skin contact: will not cause irritation to the skin.  
Inhalation: mists from the product may produce discomfort in the upper respiratory tract. Inhalation hazard is increased at elevated temperatures.  
Chronic exposure: very isolated cases of skin sensitization to lanolin have been reported, however this incidence of allergy is extremely low (NIOSH/TIC) thought to be „swint“ or sheep’s sweat/dandruff, inevitably extracted with the crude lanolin during processing.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:  
No data available.
- 11.1.6. Interactive effects:  
No data available.
- 11.1.7. Absence of specific data:  
There is no toxicological information available for this product.
- 11.1.8. Other information:  
No data available.

## 12. ECOLOGICAL INFORMATION

- 12.1. Toxicity:  
No data available.
- 12.2. Persistence and degradability:  
100% biodegradable.
- 12.3. Bioaccumulation potential:  
No data available.
- 12.4. Mobility in soil:  
No data available.
- 12.5. Results of PBT and vPvB assessment:  
No data available.
- 12.6. Other adverse effects:  
No data available.

## 13. DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment methods:  
Disposal according to the local regulations.
- 13.1.1. Information regarding the disposal of the product:  
Observe local regulations. Dispose of material through a licensed waste contractor. Suitable for disposal by an approved waste disposal agent.  
During the disposal of the product, its residue and its packaging the national and local prescriptions should be observed. The EWC codes indicated below are only recommendations, but they may have to be changed due to special circumstances, in such cases new classification may be needed.
- 13.1.2. Information regarding the disposal of the packaging  
According to the consideration regarding the product.
- 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:  
None known.

- 13.1.4. Sewage disposal:  
None known.
- 13.1.5. Special precautions for any recommended waste treatment:  
No data available.

#### 14. TRANSPORT INFORMATION

**Not dangerous good in sense of the transport regulations.**

- 14.1. UN Number:  
-
- 14.2. UN proper shipping name:  
-
- 14.3. Transport hazard class(es):  
-
- 14.4. Packing group:  
-
- 14.5. Environmental hazards:  
-
- 14.6. Special precautions for user:  
-
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
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#### 15. REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:  
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

COMMISSION REGULATION (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

- 15.2. Chemical safety assessment: -

#### 16. OTHER INFORMATION

Information regarding the revision of the safety data sheet: -  
Full text of the abbreviations in the safety data sheet:  
DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: carcinogenicity, mutagenicity and toxicity for reproduction: PBT: Persistent, bioaccumulative and toxic. n.d.: not defined. . n.a.: Not applicable.  
Data sources: -  
Relevant R-Phrases (number and full text) of Section 2 and 3: -  
Relevant H-Phrases (number and full text) of Section 2 and 3: -  
Training instructions: -  
Recommended restrictions on use (non-statutory recommendations by supplier): -  
This safety data sheet had been prepared on the basis of information provided by the manufacturer. The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required. Since the conditions or the handling, the storage and the disposal of this product are beyond the control of the manufacturer, the distributor or the preparer of this SDS, no warranty, expressed or implied, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. No responsibility is assumed regarding the accuracy, completeness

or suitability of all or any of the information contained herein or the results to be obtained from the use thereof at the time of use. In no way shall the manufacturer, the distributor or the preparer of the be liable for any claims, losses or damages of third parties, personal injury, property damage, lost profits or any special, direct, indirect, incidental, consequential or exemplary damages resulting from the use of or reliance upon such information. Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.