

Datum  
01/07/2015

Vervangt Nr  
24/06/2015

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# SAFETY DATA SHEET

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## GECKO FOAM CLEANER

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

Trade	:	GECKO FOAM CLEANER
Art.nr	:	687528 – 650 ML
Manufacturer / Supplier	:	Maumo International BV
Street / PO Box	:	P.O. Box 441
Country code / Postal code / Town	:	2990 AK Barendrecht
Telephone / fax	:	TEL: +31 (0) 1806-99234 +31 (0) 1806-99235
Contact	:	Mr. R. Maundrell info@maumo.nl
Emergencies	:	+31 (0) 610 022 373 just outside office (office hours 08:00 to 17:00)

### 2. HAZARDS IDENTIFICATION

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

##### Classification

##### Physical hazards

Aerosol 1 - H222, H229

##### Health hazards

Eye Irrit. 2 - H319

##### Environmental hazards

Not Classified

##### Classification (67/548/EEC or 1999/45/EC)

F+;R12.

##### Human health

Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

### Environmental

This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment

### Physicochemical

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

### 2.2. Label elements

Pictogram



### Signal word

Danger

### Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H319 Causes serious eye irritation.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P102 Keep out of reach of children.

P260 Do not breathe vapour/spray.

P271 Use only outdoors or in a well-ventilated area.

P501 Dispose of contents/container in accordance with local regulations.

### Detergent labelling

< 5% anionic surfactants

## 3. COMPOSITION/ INFORMATION ON INGREDIENT

### 3.2 MIXTURES

<b>PROPAN-2-OL</b> 5-10% <b>CAS number:</b> 67-63-0 <b>EC number:</b> 200-661-7 <b>REACH registration number:</b> 01-2119457558-25
<b>Classification</b> <b>Classification (67/548/EEC or 1999/45/EC)</b> Flam. Liq. 2 - H225 F;R11 Xi;R36 R67 Eye Irrit. 2 - H319 STOT SE 3 - H336
<b>BUTANE</b> 1-5% <b>CAS number:</b> 106-97-8 <b>EC number:</b> 203-448-7 <b>REACH registration number:</b> Exempt under REACH
<b>Classification</b> <b>Classification (67/548/EEC or 1999/45/EC)</b> Flam. Gas 1 - H220 F+;R12 Press. Gas
<b>ISOBUTANE</b> 1-5% <b>CAS number:</b> 75-28-5 <b>EC number:</b> 200-857-2 <b>REACH registration number:</b> Exempt under REACH

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Gas 1 - H220 F+;R12	
Press. Gas	

<b>PROPANE</b>	<b>1-5%</b>
<b>CAS number:</b> 74-98-6	<b>EC number:</b> 200-827-9 <b>REACH registration number:</b> Exempt under REACH

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Gas 1 - H220 F+;R12	
Press. Gas	

<b>TETRA POTASSIUM PYROPHOSPHATE</b>	<b>1-5%</b>
<b>CAS number:</b> 7320-34-5	<b>EC number:</b> 230-785-7 <b>REACH registration number:</b> 01-2119489369-18

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Irrit. 2 - H319	Xi;R36.

<b>SODIUM LAURYL SARCOSINATE</b>	<b>1-5%</b>
<b>CAS number:</b> 137-16-6	<b>EC number:</b> 205-281-5 <b>REACH registration number:</b> 01-2119527780-39

Acute Tox. 2 - H330	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
T;R23. Xi;R38,R41.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### **4. FIRST-AID MEASURES**

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

General information

Move affected person to fresh air at once.

##### **Inhalation**

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

##### **Ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

##### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water.

##### **Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes and get medical attention.

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

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

#### **5. FIREFIGHTING MEASURES**

##### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Extinguish with foam, carbon dioxide, dry powder or water fog.

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

### Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Extremely flammable. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Containers can burst violently or explode when heated, due to excessive pressure build-up.

## 5.3. Advice for firefighters

### Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

### 6.2. Environmental precautions

#### Environmental precautions

Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion.

### 6.4. Reference to other sections

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Usage precautions

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray on a naked flame or any incandescent material.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage precautions

Extremely flammable. Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

### 7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

#### BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm

Short-term exposure limit (15-minute): WEL 750 ppm

#### ISOBUTANE

Long-term exposure limit (8-hour TWA): WEL 800 ppm

Short-term exposure limit (15-minute): WEL No std.

#### PROPANE

Long-term exposure limit (8-hour TWA): SUP ppm

Short-term exposure limit (15-minute): SUP ppm

WEL = Workplace Exposure Limit

### Ingredient comments

WEL = Workplace Exposure Limits

## PROPAN-2-OL (CAS: 67-63-0)

### DNEL

Industry - Dermal; Long term systemic effects: 888 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 500 mg/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 26 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 89 mg/m<sup>3</sup>

### PNEC

- Fresh water; 140.9 mg/l  
- Marine water; 140.9 mg/l  
- Intermittent release; 140.9 mg/l  
- Sediment (Freshwater); 552 mg/kg  
- Sediment (Marinewater); 552 mg/kg  
- STP; 2251 mg/l  
- Soil; 28 mg/kg

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

#### Personal protection

When using do not smoke.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

#### Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Aerosol.
Odour	Organic solvents.
Flash point	<-40 °C°C
Upper/lower flammability or explosive limits	1.8
Auto-ignition temperature	410-580°C
Comments	Information given is applicable to the major ingredient.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

#### Stability

Avoid the following conditions: Heat, sparks, flames.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Oxides of carbon. Oxides of nitrogen.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Acute toxicity - inhalation

##### ATE inhalation (vapours mg/l)

79.36507937

##### General information

Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

##### Inhalation

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

##### Skin contact

Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

##### Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

##### Acute and chronic health hazards

Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

##### Route of entry

Inhalation

##### Target organs

Central nervous system Respiratory system, lungs

##### Medical symptoms

Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No negative effects on the aquatic environment are known. The product is not expected to be toxic to aquatic organisms.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

##### General information

Do not puncture or incinerate, even when empty.

##### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

### 14. TRANSPORT INFORMATION

#### General

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

#### 14.1. UN number

UN No. (ADR/RID) 1950  
UN No. (IMDG) 1950  
UN No. (ICAO) 1950

#### 14.2. UN proper shipping name

Proper shipping name(ADR/RID)  
Proper shipping name (IMDG)  
Proper shipping name (ICAO)  
Proper shipping name (AND)

#### 14.3. Transport hazard class(es)

ADR/RID class 2.1  
ADR/RID subsidiary risk  
ADR/RID label 2.1  
IMDG class  
IMDG subsidiary

Risk ICAO class/division ICAO subsidiary risk 2.1

#### Transport labels



#### 14.4. Packing group

Not applicable.

ADR/RID packing group IMDG  
packing group ICAO  
packing group

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

#### 14.6. Special precautions for user

EmS F-D, S-U  
Emergency Action Code  
Hazard Identification Number  
(ADR/RID)

#### Tunnel restriction code

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## 15. REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

##### EU legislation

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 (as amended).

##### Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

#### 15.2. Chemical safety assessment

## 16. OTHER INFORMATION

Revision date	01/07/2015
Revision	1
SDS number	10857
SDS status	APPROVED

### Risk phrases in full

The product is highly flammable. R12 Extremely flammable.  
R23 Toxic by inhalation. Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R67 Vapours may cause drowsiness and dizziness.

### Hazard statements in full

H222 Extremely flammable aerosol.  
H225 Highly flammable liquid and vapour.  
H229 Pressurised container: may burst if heated  
H315 Causes skin irritation.  
H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled.  
H336 May cause drowsiness or dizziness.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of our company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.