

# SAFETY DATA SHEET

PRODUCT NAME: VROOAM POWER FOAM MULTI-CLEANER 0,4l



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : VROOAM POWER FOAM MULTI-CLEANER 0,4L  
Product code : 63964

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

Application of the substance / the mixture : Surface cleaning

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

VROOAM Powersports Lubricants INT. B.V.  
Aventurijn 300  
3316 LB Dordrecht (NL)  
0031 (0) 78 750 1632  
[www.vrooam-lubricants.com](http://www.vrooam-lubricants.com)  
[info@vrooam-lubricants.com](mailto:info@vrooam-lubricants.com)

· Further information obtainable from: Product Safety Department

1.4. Emergency telephone number: 0031 (0) 78 750 16 32 (9 AM to 5 PM, Monday to Friday)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008



GHS02 flame

Aerosol 1 : H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 : H319 Causes serious eye irritation.  
Skin Sens. 1 : H317 May cause an allergic skin reaction.  
Aquatic Chronic 3 : H412 Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms (CLP) :



GHS02



GHS07

Signal word (CLP) : Danger

Hazard-determining components of labelling: (R)-p-mentha-1,8-diene

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Hazard statements (CLP)	: H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P101 If medical advice is needed, have product container or label at hand. 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. P260 Do not breathe spray. P273 Avoid release to the environment. P280 Wear protective gloves / eye protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403 Store in a well-ventilated place. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

## 2.3. Other hazards

### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Description: Active substance with propellant

### 3.2. Mixtures

Dangerous components		
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32	butane (containing < 0.1% butadiene (203-450-8)) Flam. Gas 1, H220; Press. Gas (Comp.), H280	2.5-<10%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-<10%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220; Press. Gas (Comp.), H280	2.5-<10%
CAS: 5989-27-5 EINECS: 227-813-5 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	1-<2.5%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8)) Flam. Gas 1, H220; Press. Gas (Comp.), H280	0.1-<1%
CAS: 110-91-8 EINECS: 203-815-1 Reg.nr.: 01-2119496057-30	morpholine Flam. Liq. 3, H226; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Acute Tox. 4, H302	0.1-<1%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14	ammonia Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; STOT SE 3, H335	≥0.25-<1%

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Ingredients according to detergents guideline 648/2004/EC	
aliphatic hydrocarbons	≥5 - <15%
anionic surfactants, (R)-p-mentha-1,8-diene	<5%

Additional information:

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- After inhalation : Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact : Immediately wash with water and soap and rinse thoroughly.
- After eye contact : Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing : Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing agents** : Water haze  
Fire-extinguishing powder  
Carbon dioxide  
Alcohol resistant foam

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

No further relevant information available.

### 5.3 Advice for firefighters

Protective equipment: Mount respiratory protective device.

## SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

### 6.2. Environmental precautions

- Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

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

- Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

### 6.4. Reference to other sections

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See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

#### Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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

Storage

Requirements to be met by storerooms and receptacles : Store in a cool location.

: Observe official regulations on storing packagings with pressurised containers.

#### Information about storage in one common storage facility:

Observe official regulations on storing packagings with pressurised containers.

#### Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

### 8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:	
<b>67-63-0 propan-2-ol</b>	
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
<b>106-97-8 butane (containing &lt; 0.1% butadiene (203-450-8))</b>	
WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
<b>111-76-2 2-butoxyethanol</b>	
WEL	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm Sk, BMGV
<b>74-98-6 propane</b>	
WEL	Long-term value: 1800 mg/m <sup>3</sup>
<b>75-28-5 isobutane (containing &lt; 0,1 % butadiene (203-450-8))</b>	
WEL	Short-term value: 2400 mg/m <sup>3</sup> Long-term value: 1900 mg/m <sup>3</sup>

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110-91-8 morpholine	
WEL	Short-term value: 72 mg/m <sup>3</sup> , 20 ppm Long-term value: 36 mg/m <sup>3</sup> , 10 ppm Sk

DNELs		
67-63-0 propan-2-ol		
Oral	DNEL Long term-systemic	26 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	319 mg/kg bw/day (Consumer)
		888 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	89 mg/m <sup>3</sup> (Consumer)
		500 mg/m <sup>3</sup> (Worker)

Ingredients with biological limit values:	
111-76-2 2-butoxyethanol	
BMGV	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid

**Additional information:** The lists valid during the making were used as basis.

## 8.2. Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.

### Respiratory protection:

Filter AX/P2  
Use suitable respiratory protective device in case of insufficient ventilation.  
Filter ABEK/P2

### Protection of hands:

Wear gloves for the protection against chemicals according to EN 374



Protective gloves

### Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.5$  mm

### Penetration time of glove material

For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and

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timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made.  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**  
Safety glasses



Tightly sealed goggles

**Body protection:** Use protective suit. (EN-13034/6)

## SECTION 9: Physical and chemical properties

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

#### General Information

##### Appearance:

Form : Aerosol  
Colour : According to product specification

Odour : characteristic.  
Odour threshold : Not determined.  
pH-value at 20 °C : 10

##### Change in condition:

Melting point/freezing point : Undetermined  
Initial boiling point and boiling range : -44.5 °C

Flash point : -97 °C  
Flammability (solid, gas) : Not applicable.  
Auto-ignition temperature : Product is not self igniting.  
Explosive properties : Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.  
Not determined.

##### Explosion limits:

Lower : 0.7 Vol %  
Upper : 12 Vol %

Vapour pressure at 20 °C : 4000 hPa  
Density at 20 °C : 0.913 g/cm<sup>3</sup>  
Relative density : Not determined.  
Vapour density : Not determined.  
Evaporation rate : Not applicable.

##### Solubility in / Miscibility with

Water : Not miscible or difficult to mix.

Partition coefficient: n-octanol/water : Not determined.

##### Viscosity:

Dynamic : Not determined.  
Kinematic : Not determined.

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## Solvent content:

Organic solvents	: 22.9 %
Water	: 76.3 %
Solids content	: 0.1 %

## 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No further relevant information available

### 10.2. Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity** : Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
<b>67-63-0 propan-2-ol</b>		
Oral	LD50	5840 mg/kg (rat)
Dermal	LD50	13900 mg/kg (rabbit)
Inhalative	LC50/6h	25000 mg/m3 (rat)
<b>111-76-2 2-butoxyethanol</b>		
Oral	LD50	300 mg/kg (rabbit) 470 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
<b>5989-27-5 (R)-p-mentha-1,8-diene</b>		
Oral	LD50	4400 mg/kg (rat)
Dermal	LD50	≥2000 mg/kg (rabbit)

#### Primary irritant effect:

Skin corrosion/irritation	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.

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Reproductive toxicity	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

<b>67-63-0 propan-2-ol</b>	
LOEC (8 days)	1000 mg/l (algae)
LC50/96h	9640 mg/l (Pimephales promelas)
LC50 (24h)	9714 mg/l (Daphnia magna)
<b>111-76-2 2-butoxyethanol</b>	
LC50	1490 mg/l (Lepomis macrochirus (96 h))

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

#### Ecotoxicological effects:

Remark : Harmful to fish

#### Additional ecological information:

General notes : Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Harmful to aquatic organisms

### 12.5 Results of PBT and vPvB assessment

PBT : Not applicable.  
vPvB : Not applicable.

### 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Recommendation : Must not be disposed together with household garbage. Do not allow product to reach sewage system.

<b>European waste catalogue</b>	
HP3	Flammable
HP14	Ecotoxic

#### Uncleaned packaging:

Recommendation : Disposal must be made according to official regulations.





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## RUBRIEK 14: Informatie met betrekking tot het vervoer

<b>14.1 UN-Number</b>	ADR, ADN, IMDG, IATA	: UN1950
<b>14.2 UN proper shipping name</b>	ADR, ADN IMDG IATA	: UN1950 AEROSOLS : AEROSOLS : AEROSOLS, flammable
<b>14.3 Transport hazard class(es)</b>	<b>ADR</b>	
		
	Class	: 2 5F Gases.
	Label	: 2.1
	<b>ADN</b>	
	ADN/R Class	: 2 5F
	<b>IMDG, IATA</b>	
		
	Class	: 2.1
	Label	: 2.1
<b>14.4 Packing group</b>	ADR, IMDG, IATA	: Void
<b>14.5 Environmental hazards:</b>	Marine pollutant	: No
<b>14.6 Special precautions for user</b>	Warning	: Gases.
	Danger code (Kemler)	: -
	- EMS Number	: F-D, S-U
		SW1 Protected from sources of heat.
		SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
	Segregation Code	: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>		Not applicable.
	Transport/Additional information:	
	ADR	
	Limited quantities (LQ)	: 1L

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Excepted quantities (EQ) Code	: E0
	Not permitted as Excepted Quantity
Transport category	: 2
Tunnel restriction code	: D
IMDG	
Limited quantities (LQ)	: 1L
Excepted quantities (EQ) Code	: E0
	Not permitted as Excepted Quantity
UN "Model Regulation"	: UN 1950 AEROSOLS, 2.1

## SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations:

Class	Share in %
Wasser	75-<100
NK	10-<25

VOC-CH 22.92 %

VOC-EU 209.3 g/l

Danish MAL Code 3-3

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

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H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H411 Toxic to aquatic life with long lasting effects.

**Department issuing SDS:** Research & Development

**Contact:** VROOAM Lubricants

**Abbreviations and acronyms:**

RID	: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR:	: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO	: International Civil Aviation Organisation
ICAO-TI	: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR	: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG	: International Maritime Code for Dangerous Goods
IATA	: International Air Transport Association
GHS	: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS	: European Inventory of Existing Commercial Chemical Substances
ELINCS	: European List of Notified Chemical Substances
CAS	: Chemical Abstracts Service (division of the American Chemical Society)
MAL-Code	: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
DNEL	: Derived No-Effect Level (REACH)
LC50	: Lethal concentration, 50 percent
LD50	: Lethal dose, 50 percent
PBT	: Persistent, Bioaccumulative and Toxic
vPvB	: very Persistent and very Bioaccumulative
Flam. Gas 1	: Flammable gases – Category 1
Aerosol 1	: Aerosols – Category 1
Press. Gas (Comp.)	: Gases under pressure – Compressed gas
Flam. Liq. 2	: Flammable liquids – Category 2
Flam. Liq. 3	: Flammable liquids – Category 3
Skin Irrit. 2	: Skin sensitisation – Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation – Category 2
Skin Sens. 1	: Aspiration hazard – Category 1
STOT SE 3	: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1	: Aspiration hazard – Category 1
Aquatic Acute 1:	: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1	: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2	: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3	: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

\* Data compared to the previous version altered. \*