



SAFETY DATA SHEET According to 1907/2006 EEC Article 31

PRODUCT NAME: VROOAM BRAKE AND PARTS CLEANER 500ml

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : VROOAM BRAKE AND PARTS CLEANER
Productcode : 74301

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

No further relevant information available.

Application of the substance/ the mixture: Cleaner solvent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

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

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



GHS09 environment

Aquatic Chronic 2 H411

Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315

Causes skin irritation.

STOT SE 3

H336

May cause drowsiness or dizziness.

Asp. Tox. 1

H304

May be fatal if swallowed and enters airways.

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



GHS02



GHS07



GHS09

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane propan-2-ol



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Hazard statements

- H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 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.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P331 Do NOT induce vomiting.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 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

3.2 Mixtures

Description: Cleansing agent

Dangerous components		
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	75-<100%
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: 124-38-9 EINECS: 204-696-9	Carbon dioxide Press. Gas (Ref. Liq.), H281	2.5-<10%

Ingredients according to detergents guideline 648/2004/EC

aliphatic hydrocarbons	≥30%
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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- After inhalation : In case of unconsciousness place patient stably inside 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.



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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
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.



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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:

67-63-0 propan-2-ol	
WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
124-38-9 Carbon dioxide	
WEL	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm

DNELs		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer) 773 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	608 mg/m ³ (Consumer) 2,035 mg/m ³ (Worker)
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 ³ (Consumer) 500 mg/m ³ (Worker)

Additional information

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

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

: Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the skin.
 Avoid contact with the eyes and skin.
 : Filter A/P2
 Use suitable respiratory protective device in case of insufficient ventilation.
 Filter A

Respiratory protection

Protection of hands



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 cannot be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 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 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.



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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 : Not determined.

Change in condition

Melting point/freezing point : Undetermined.

Initial boiling point and boiling range : 82 °C

Flash point : -9 °C

Flammability (solid, gas) : Not applicable.

Auto-ignition temperature : Product is not selfigniting

Explosive properties : Product is not explosive. However, formation of explosive air/
vapour mixtures are possible.
Not determined

Explosion limits:

Lower : 0.8 Vol %

Upper : 12 Vol %

Vapour pressure at 20 °C : 246 hPa

Density at 20 °C : 0.75 g/cm³

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.

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.



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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:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	LD50	>5,840 mg/kg (rat)
Dermal	LD50	>2,920 mg/kg (rabbit)
Inhalative	LC50/4h	>25 mg/l (rat)

67-63-0 propan-2-ol

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	13,900 mg/kg (rabbit)
Inhalative	LC50/6h	25,000 mg/m3 (rat)

Primary irritant effect

Skin corrosion/irritation

Causes skin irritation.

-Serious eye damage/irritation

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

Respiratory or skin sensitisation

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

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.

Reproductive toxicity

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

STOT-single exposure

May cause drowsiness or dizziness.

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

RUBRIEK 13 Instructies voor verwijdering

12.1 Toxicity

Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

NOELR (72h)	3 mg/l (Pseudokirchneriella subcapitata)
EL50(48h)	3 mg/l (Daphnia magna)
EL50 (72h)	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50 (96h)	11.4 mg/l (Oncorhynchus mykiss (96h))
NOEC (21 days)	0.17 mg/l (Daphnia magna)
LOEC (21 days)	0.32 mg/l (Daphnia magna)

67-63-0 propan-2-ol

LOEC (8 days)	1,000 mg/l (algae)
LC50/96h	9,640 mg/l (Pimephales promelas)
LC50 (24h)	9,714 mg/l (Daphnia magna)

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 : Toxic for fish

Additional ecological information

General notes

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.



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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.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number -ADR, ADN, IMDG, IATA	: UN1950
14.2 UN proper shipping name ADR, ADN IMDG IATA	: UN1950 AEROSOLS : AEROSOLS (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane), MARINE POLLUTANT : AEROSOLS, flammable
14.3 Transport hazard class(es) ADR	
	
Class	: 2 5F Gases.
Label	: 2.1
ADN ADN/R Class	: 2 5F
IMDG	
	
Class	: 2.1
Label	: 2.1
IATA	
	
Class	: 2.1
Label	: 2.1
14.4 Packing group ADR, IMDG, IATA	: Void
14.5 Environmental hazards:	
	: Product contains environmentally hazardous substances Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Marine pollutant	: Symbol (fish and tree)
Special marking (ADR)	: Symbol (fish and tree)
- 14.6 Special precautions for user	
	: Warning: Gases.
Danger code (Kemler)	: -
EMS Number	: F-D,S-U



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Stowage Code	: 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.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Marpol and the IBC Code	: Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	: 1L
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, ENVIRONMENTALLY HAZARDOUS

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

E2 Hazardous to the Aquatic Environment

P3b FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements : 200 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 %
NK	75-<100

VOC-CH : 96.50 %

VOC-EU : 720.9 g/l

Danish MAL Code : 5-3

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

H225 Highly flammable liquid and vapour.

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

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



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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
Aerosol 1	: Aerosols – Category 1
Press. Gas (Ref. Liq.)	: Gases under pressure – Refrigerated liquefied gas
Flam. Liq. 2	: Flammable liquids – Category 2
Skin Irrit. 2	: Skin corrosion/irritation – Category 2
Eye Irrit. 2	: Serious eye damage/eye irritation – Category 2
STOT SE 3	: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1	: Aspiration hazard – Category 1
Aquatic Chronic 2	: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2