

SAFETY DATA SHEET

PRODUCT NAME: VROOAM AIR FOAM FILTER CLEANER



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

1.1 Product identifier

Trade name : VROOAM Air Foam Filter Cleaner
 Registration number (REACH) : not relevant (mixture)
 Product code(s) : 75521, 75522

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

Relevant identified uses : Solvent
 Industrial uses
 Professional uses
 Uses advised against : Do not use for private purposes (household).

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
 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 (CLP)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 3.3 | serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |
| 3.10 | aspiration hazard | 1 | Asp. Tox. 1 | H304 |

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word danger

- Pictograms



GHS05,

GHS08

- Hazard statements

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

- Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container to industrial combustion plant.

- Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

- Hazardous ingredients for labelling

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Isotridecanol, ethoxylated

2.3 Other hazards

This material is combustible, but will not ignite readily.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Notes | Specific Conc. Limits | M-Factors |
|---|---|---------|--|------------|-------|-----------------------|-----------|
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | EC No 918-481-9 REACH Reg. No 01-2119457273-39-xxxx | ≥ 90 | Asp. Tox. 1 / H304 | | | | |
| Isotridecanol, ethoxylated | CAS No 69011-36-5 EC No 500-241-6 REACH Reg. No 01-2119976362-32-xxxx | 1 – < 5 | Acute Tox. 4 /H302 Acute Tox. 4 / H332 Eye Dam. 1 / H318 | | | | |

For full text of H-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

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Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

Self-protection of the first aider

Provision of sufficient ventilation. Wear suitable protective clothing, gloves and eye/face protection.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings.

Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately.

Fight fire with normal precautions from a reasonable distance. Self-contained breathing apparatus (SCBA). SCBA with a chemical protection suit only where personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Follow emergency procedures such as the need to evacuate the danger area or to consult an expert. Remove persons to safety.

Provision of sufficient ventilation. Prevent skin contact. Avoid inhaling sprayed product. Collection and use of expertise.

For emergency responders

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Wear breathing apparatus if exposed to vapours/dust/spray/gases. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: Sawdust, Kieselgur (diatomite), Sand, Universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Control of effects

Protect from sunlight.

Packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

Solvent. Industrial uses. Professional uses.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

These information are not available.

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Relevant DNELs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|----------------------------|------------|-----------|-----------------------|------------------------------------|-------------------|----------------------------|
| Isotridecanol, ethoxylated | 69011-36-5 | DNEL | 294 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Isotridecanol, ethoxylated | 69011-36-5 | DNEL | 2,080 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|----------------------------|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 0.015 mg/l | aquatic organisms | water | intermittent release |
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 0.074 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 0.007 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 1.4 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 0.604 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 0.06 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Isotridecanol, ethoxylated | 69011-36-5 | PNEC | 0.1 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment) Eye/face protection

Wear eye/face protection. Use safety goggle with side protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

NBR: acrylonitrile-butadiene rubber

- Material thickness

> 0.35 mm

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- Breakthrough times of the glove material

>480 minutes (permeation: level 6)

Other protection measures

Protective clothing against liquid chemicals. Footwear protecting against chemicals. Preventive skin protection (barrier creams/ointments) is recommended. Take recovery periods for skin regeneration. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Type: ABEK (combined filters against gases and vapours, colour code: Brown/Grey/Yellow/Green).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid
 Colour : colourless - clear
 Odour : characteristic

Other safety parameters

pH (value) : not determined
 Melting point/freezing point : -54 °C at 1 atm
 Initial boiling point and boiling range : 186 °C at 1 atm
 Flash point : 65 °C at 1 atm
 Evaporation rate : not determined
 Flammability (solid, gas) : not relevant (fluid)

Explosive limits

- Lower explosion limit (LEL) : 0.6 vol%
 - Upper explosion limit (UEL) : 7 vol%

Vapour pressure : 0.05 kPa at 20 °C (calculated value, referring to a component of the mixture)
 Density : 800 g/cm³ at 20 °C
 Vapour density : this information is not available
 Solubility(ies) : not determined

Partition coefficient

- n-octanol/water (log KOW) this information is not available

Auto-ignition temperature : >200 °C
 Viscosity : not determined
 Explosive properties : none
 Oxidising properties : none

9.2 Other information

VOC content : 100 %

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SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.
Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP) Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4: May be harmful in contact with skin.

| Acute toxicity estimate (ATE) of components of the mixture | | | |
|--|------------|-----------------------|-------------|
| Name of substance | CAS No | Exposure route | ATE |
| Isotridecanol, ethoxylated | 69011-36-5 | oral | 2,000 mg/kg |
| Isotridecanol, ethoxylated | 69011-36-5 | inhalation: vapour | 11 mg/ l/4h |
| Isotridecanol, ethoxylated | 69011-36-5 | inhalation: dust/mist | 1.6 mg/l/4h |

| Acute toxicity of components of the mixture | | | | | |
|---|------------|-----------------------|----------|----------------------------|---------|
| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | oral | LD50 | >5,000 mg/kg | rat |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | inhalation: vapour | LC50 | 6,100mg/m ³ /4h | rat |
| Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | dermal | LD50 | >2,000 mg/kg | rat |
| Isotridecanol, ethoxylated | 69011-36-5 | oral | LD50 | >2,000 mg/kg | rat |
| Isotridecanol, ethoxylated | 69011-36-5 | inhalation: dust/mist | LC50 | >1.6 mg/l/4h | rat |
| Isotridecanol, ethoxylated | 69011-36-5 | dermal | LD50 | 5,960 mg/kg | rabbit |

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Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

The classification criteria for this hazard class are not met. Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

Other information

Repeated exposure may cause skin dryness or cracking

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture | | | | | |
|---|------------|----------|----------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Isotridecanol, ethoxylated | 69011-36-5 | LL50 | 2.5 mg/l | fish | 96 h |
| Isotridecanol, ethoxylated | 69011-36-5 | EC50 | 1.5 mg/l | aquatic invertebrates | 48 h |

12.2 Persistence and degradability

| Name of substance | CAS No | EC No | Process | Degradation rate | Time | Method | Source |
|---|------------|-----------|------------------|------------------|------|--------|--------|
| Hydrocarbons, C10 C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | | 918-481-9 | oxygen depletion | 10 % | 5 d | | ECHA |
| Isotridecanol, ethoxylated | 69011-36-5 | 500-241-6 | DOC removal | 82 % | 28 d | | ECHA |

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12.3 Bioaccumulative potential

Data are not available.

| Bioaccumulative potential of components of the mixture | | | | |
|--|------------|-------|---------|----------|
| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
| Isotridecanol, ethoxylated | 69011-36-5 | 232.5 | | |

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects Endocrine disrupting potential

None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance it- self.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

RUBRIEK 14: Informatie met betrekking tot het vervoer

14.1 UN number

not subject to transport regulations

14.2 UN proper shipping name

not relevant

14.3 Transport hazard class(es)

Class -

14.4 Packing group

not relevant

14.5 Environmental hazards

non-environmentally hazardous acc. to the dan- gerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

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Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

none of the ingredients are listed

List of substances subject to authorisation (REACH, Annex XIV)

none of the ingredients are listed

Deco-Paint Directive (2004/42/EC)

VOC content 96.7 %

Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content 100 %

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

none of the ingredients are listed

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

none of the ingredients are listed

Regulation 648/2004/EC on detergents Labelling of contents

| Constituents | Weight % content (or range) |
|------------------------|-----------------------------|
| aliphatic hydrocarbons | 30 % and more |
| non-ionic surfactants | less than 5 % |

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

| Abbreviations and acronyms | |
|----------------------------|---|
| Abbr. | Descriptions of used abbreviations |
| Acute Tox. | Acute toxicity |
| AND | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |

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| | |
|------------|---|
| Asp. Tox. | Aspiration hazard |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| COD | Chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit |
| EC number | an identifier of substances commercially available within the EU (European Union) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| log KOW | n-Octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| SCBA | Self-contained breathing apparatus |
| VOC | Volatile Organic Compounds |
| vPvB | Very Persistent and very Bioaccumulative |

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text |
|------|---|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |

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Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.