SAFETY DATA SHEET

Vuba Oil & Grease Cleaner

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and the UK REACH Regulations SI 2019/758.

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

1.1 Product identifier
Product Name: **Vuba Oil & Grease Cleaner**

1.2 Relevant identified uses of the substance or mixture and uses advised against
Industrial and professional cleaning.
No uses advised against. Use only as instructed.

1.3 Details of the supplier of the safety data sheet
Vuba Building Products Limited
Units B2, B3 and B4 Grovehill Industrial Estate,
Beverley, HU17 0LF.

Tel: 01482 778897
E mail: sales@vubaresin.com
Web: www.vubaresinproducts.com

1.4 Emergency telephone number

In case of emergency Tel. 01482 778897 **(08:00-17:30 Mon-Fri)**

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to the CLP Regulation (EC) No 1272/2008 and the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain:

Acute Tox. 4 (Oral) – H302, **Skin Irrit. 2** – H315, **Skin Sens. 1** – H317, **Eye Dam. 1** – H318, **Aquatic Chronic 2** – H411.

2.2 Label elements

Hazard pictograms

Signal word

DANGER

Names of dangerous components placed on label:

Contains: D-Limonene, alcohols C9-11 ethoxylated, lauryldimethylamine oxide, ethylenediaminetetraacetic acid (EDTA).

Hazard statements:

H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H411 Toxic to aquatic life with long-lasting effects

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P310 Immediately call a POISON CENTER or doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

This product does not contain any known or suspected endocrine disruptors.

2.3 Other hazards

The components do not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation REACH. The product reacts with water with emission of carbon dioxide which can burst sealed containers. At higher temperatures the reaction is accelerated.

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

SECTION 3: Composition

3.2 Mixtures

Name	EC CAS Index no	% w/w In mixture	Classification
D-Limonene	227-813-5 5989-27-5 -	10 – 20%	Skin Sens. 1 – H317 Skin Irrit. 2 – H315 Aquatic Chronic 2 – H411
Alcohols, C9-11, ethoxylated	614-482-0 68439-46-3 -	10 – 20%	Eye Irrit. 2 – H319 Skin Irrit. 2 – H315
Sodium metasilicate	229-912-9 10213-79-3 -	< 3%	Skin Corr. 1B – H314 STOT SE 3 – H335

Lauryldimethylamine oxide	216-700-6 1643-20-5 -	< 3%	Skin Irrit. 2 – H315, Eye Irrit. 2 – H319, Acute Tox. 4 (oral) – H302, Skin Sens. 1 – H317.
Ethylenediaminetetraacetic acid (EDTA)	200-449-4 60-00-4 -	< 0.5%	Not classified at this concentration.

See section 16 for full list of H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

INHALATION: Remove affected person to fresh air, keep warm and at rest in a position comfortable for breathing. Get medical attention immediately If breathing is difficult, give oxygen.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical advice if irritation or symptoms persist.

INGESTION: Rinse mouth with water. Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

May cause skin irritation or allergic skin reaction. Causes serious eye irritation. Harmful if swallowed. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatments needed

Treat symptomatically.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use water-spray, alcohol resistant foam, dry chemical or CO_2

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards: The product is not classed as flammable, but it contains D-limonene which is combustible and may contribute to fire at elevated temperatures.

Hazardous combustion products: Carbon monoxide (CO), carbon dioxide (CO_2), irritating and toxic fumes including oxides of carbon, nitrogen, and sulphur. Smoke containing organic compounds.

5.3 Advice for fire fighters

Wear full protective gear and a self-contained breathing apparatus (SCBA). Keep containers cool with water spray to prevent pressure build-up and possible rupture. Prevent run-off from entering drains, surface water, or groundwater. Approach fire from upwind to avoid hazardous vapours and decomposition products.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapours or mists. Use appropriate personal protective equipment (PPE): gloves, eye protection, and protective clothing. Remove all sources of ignition if safe to do so. Evacuate unnecessary personnel from the area.

6.2 Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and clearing up

Contain spill using sand, earth, or another non-combustible absorbent material. Collect and place in suitable, labelled containers for disposal according to local regulations. Clean spill area thoroughly with water and detergent to remove residues. Dispose of contaminated materials safely.

6.4 References to other sections
Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling
Handle in a well-ventilated area. Avoid inhalation of vapours or mist. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product. Keep away from heat, sparks, open flames, and hot surfaces. Wear appropriate personal protective equipment (see Section 8). Keep containers tightly closed when not in use. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed, original containers in a cool, dry, and well-ventilated area. Keep away from sources of ignition and direct sunlight. Store away from oxidizing agents, strong acids, and strong bases. Do not store in unlabelled containers.

7.3 Specific end uses(s)
The identified end uses for this product are detailed in section 1.2.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters
Occupational exposure limits known for ingredients: D-limonene UK WEL (TWA): 100 ppm (approx ~ 600 mg/m^3).

DNEL for D-limonene [CAS: 5989-27-5]:

Route of exposure	Exposure scheme	DNEL (workers)
Dermal	Long-term, systemic	8.99 mg/kg bw/day
	Sensitisation induction	222 µg/cm² (worker exposure limit)
Inhalation	Long-term systemic	~33 mg/m^3

PNEC for D-limonene [CAS: 5989-27-5]:

PNEC	Value
Fresh water	5.4 µg/L
Marine water	0.54 µg/L
STP	~ 1.8 – 2.1 mg/L

8.2 Exposure controls

Engineering controls
Ensure adequate local exhaust ventilation. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses. Provide eyewash stations where splashing may occur.

Respiratory protection
Not required under normal conditions with adequate ventilation. If mist or vapours are generated and ventilation is inadequate, wear a suitable respirator (e.g. EN 140 with organic vapour cartridge).

Hand Protection
Wear protective gloves resistant to chemicals (EN 374) and protective clothing (EN 13688). Recommended glove material: PVC, butyl rubber, neoprene rubber, nitrile rubber.

When using protective gloves during work with chemical products, it should be noted that the efficacy levels and corresponding breakthrough times do not indicate actual times of protection at a particular workplace, because the protection can be affected by many factors, e.g. temperature, other substances etc. If there are any signs of degradation, damage or change in appearance (colour, flexibility, shape), it is recommended to replace the gloves with a new pair. Please follow the manufacturer's instructions, not only in terms of gloves' usage, but also in terms of their cleaning, maintenance and storage. It is also important to know how to take off the gloves in order to avoid hands contamination.

Eye protection: Wear tightly fitting glasses (EN 166) or face shield.

Skin protection: Wear appropriate clothing to prevent any possibility of skin contact. Wear suitable chemical-resistant gloves.

Environmental Exposure Controls: Prevent product from entering water systems, drains, or soil. Use bunding or containment where appropriate. Dispose of waste responsibly.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Physical state:	Liquid
b) Colour:	Pale yellow to orange
c) Odour:	Citrus
d) Melting point:	0 ^{o}C
e) Boiling point:	> 95 ^{o}C
f) Flammability:	Not classified as flammable under CLP
g) Upper/lower flammability limits:	Not determined
h) Flashpoint:	> 67 ^{o}C
i) Autoignition temperature:	Not determined
j) Decomposition temperature:	Not determined
k) pH:	~ 10
l) Viscosity, dynamic:	Not measured.
m) Solubility:	Dispersible/emulsifiable
n) Partition coefficient (log Kow):	No components classified accumulative
o) Vapour pressure:	Not determined
p) Density and/or relative density:	1.05 gcm^{-3} @ 20 ^{o}C
q) Relative vapour density:	Not determined
r) Particle characteristics	Not applicable

9.2 Other information
No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity
The product is not reactive under normal conditions od use, storage, and transport.

10.2 Chemical stability
Stable under normal storage and handling conditions. No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions
No dangerous reactions under normal conditions. Avoid mixing with strong acids, exothermic reactions and gas formation possible due to alkaline components.

10.4 Conditions to avoid
Acids. Heat, open flames, sparks. Prolonged exposure to air or light.

10.5 Incompatible materials
Acids. Strong oxidisers. Avoid contact with aluminium, zinc, and soft metals in concentrated form.

10.6 Hazardous decomposition products
Under fire or thermal decomposition, may release carbon oxides (CO, CO_2), silicon oxides, nitrogen oxides, and other irritating fumes. In confined fire situations, vapours of d-limonene may contribute to flammable or irritating gases.

SECTION 11: Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 as amended

Based on available data and concentration of components, the mixture is not classified as acutely toxic.

Toxicity of components

D-limonene [CAS: 5989-27-5]:
LD_{50} (oral, rat) ~ 4400 mg/kg (OECD 423)

Alcohols, C9-11, ethoxylated [CAS: 68439-46-3]:
LD_{50} (oral, rat) ~ 1378 mg/kg (OECD 423)

Lauryldimethylamine oxide [CAS: 1643-20-5]:
LD_{50} (oral, rat) ~ 1060 mg/kg (OECD 423)

Toxicity of mixture

(a) acute toxicity	ATE_{mix} (oral)* ~ 4490 mg/kg ATE_{mix} (dermal)* ~ 6560 mg/kg
(b) skin corrosion/irritation	Causes skin irritation on prolonged contact.
(c) serious eye damage/irritation	May cause eye irritation
(d) respiratory/skin sensitisation	May cause an allergic skin reaction in sensitive indiviuals.
(e) germ cell mutagenicity	Based on ingredients, the classification criteria are not met.
(f) carcinogenicity	Based on ingredients, the classification criteria are not met.
(g) reproductive toxicity	Based on ingredients, the classification criteria are not met.
(h) STOT-single exposure	No classification. High concentration of vapours may cause transient dizziness or headache.
(i) STOT-repeated exposure	No specific data.
(j) aspiration hazard	Not classified as an aspiration hazard.

*The acute toxicity estimate (ATE_{mix}) was determined using the appropriate conversion value from Table 3.1.2 in Annex I to CLP as amended.

11.2 Information on other hazards
Endocrine disrupting properties:
The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

Other information:
No additional information.

SECTION 12: Ecological Information

12.1 Toxicity

Ecotoxicity
High acute aquatic toxicity. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity of components
D-limonene [CAS: 5989-27-5]:
Acute toxicity for fish LC_{50} ~ 0.7 mg/l/96h/Fish

Lauryldimethylamine oxide [CAS: 1643-20-5]:
Acute toxicity for fish LC_{50} ~ 1 - 10 mg/l/96h static *Brachydanio rerio.*

Alcohols, C9-11, ethoxylated [CAS: 68439-46-3]:
Acute toxicity for fish LC_{50} ~ 8.5 mg/l/96h Fish.

12.2 Persistence and degradability
D-limonene is readily biodegradable, but with potential for environmental harm before breakdown. Alcohols, C9-11, ethoxylated and lauryldimethylamine oxide are generally biodegradable per Detergents Regulation (EC) No 648/2004.

12.3 Bioaccumulative potential
D-limonene has a high log Kow (~4.2) potential for bioaccumulation.

12.4 Mobility in soil
D-limonene is slightly water-soluble and volatile, slow soil mobility.

12.5 Results of PBT and vPvB assessment
None of the components are known to be PBT, PMT, vPvM or vPvB.

12.6 Endocrine disrupting properties
Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects
Additional ecological information : Avoid release into the environment. D-limonene may contribute to long-term aquatic toxicity if discharged in large amounts.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods
Do not discharge into drains, water courses, or the environment. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.
Disposal methods Dispose of via an authorized and appropriately licensed waste contractor.

Waste code (EWC): 20 01 29

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	Not regulated for transport	Not regulated for transport	Not regulated for transport
14.2 UN Proper shipping name	Not regulated for transport		
14.3 Transport hazard class(es)	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated

14.5 Environmental hazards	Yes Environmentally hazardous substance. Marine pollutant (for sea transport).

14.6. Special precautions for user
Avoid spillage. Transport in upright, sealed containers. Ensure containers are appropriately labelled in accordance with SDS.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

SECTION 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, Authorization 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 as amended.

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 (Text with EEA relevance) as amended.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Control of Major Accident Hazards Regulations 2015 (COMAH) E2 ENVIRONMENTAL HAZARDS Volatile organic compounds

Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: < 0% w/w no VOC duties Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: < 0% w/w

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture
Environmental Protection Act 1990 & Subsidiary Regulations Health and Safety at Work Act 1974 &

Subsidiary Regulations Control of Substances Hazardous to Health Regulations (COSHH) May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

Annex XVII of REACH:
D-limonene [CAS: 5989-27-5]
Alcohols, C9-11, ethoxylated [CAS: 68439-46-3]
Sodium metasilicate [CAS: 10213-79-3]
Ethylenediaminetetraacetic acid (EDTA) [CAS: 60-00-4]
Lauryldimethylamine oxide [CAS: 1643-20-5]

15.2 Chemical Safety Assessment
A Chemical Safety Assessment has not been carried out for this product.
Contains no substances of very high concern (SVHC) which are included in the Candidate List (EU/UK)

SECTION 16: Other Information

Revision information:
New SDS

List of key Abbreviations used in this SDS:

CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulation (EC) no 1272/2008
EC	European Community/Commission
PBT	Persistent, Bioaccumulative and Toxic
PMT	Persistent, Mobile, Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB	very Persistent, very Bioaccumulative
vPvM	very Persistent, very Toxic
DNEL	Derived no-effect level
GHS	Globally Harmonized System
LD_{50}	Median lethal doses (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)

References:
Source: European Chemicals Agency, http://echa.europa.eu/ February 2025

Method used for classification of mixtures:
Ingredient based approach

H Statements used in Section 3
Acute Tox. 4 (Oral) – H302,
Skin Irrit. 2 – H315,
Skin Sens. 1 – H317,
Eye Dam. 1 – H318,
Aquatic Chronic 2 – H411.