

Material Safety Data Sheet

Prepared in accordance with Annex II of REACH Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and regulation (EC) 453/2010 with later changes

Vi-Pro® EPDM Cleaning Wash 907

Version: 1.0/EN

Date: 2.01.2020

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name : Vi-Pro EPDM Cleaning Wash 907

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

Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Application of the substance / the mixture

Solvents

Cleaning agent/ Cleaner

1.3 Details of the supplier of the safety data sheet:

Name	Proventuss Polska Sp. z o.o.
Address	Flisa 4, 02-247 Warszawa
Phone of person responsible	+48 22 122 85 49
e-mail of person responsible	reach@vi-pro.eu

1.4 Emergency telephone number:

Emergency number: 112

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2

H225: Highly flammable liquid and vapour.

Asp. Tox. Category 1

H304: May be fatal if swallowed and enters airways

Skin Irritation, Category 2

H315: Causes skin irritation.

STOT SE 3

H336: May cause drowsiness or dizziness.

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Aquatic Chronic, Category 2

H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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

Hazard pictograms



GHS02



GHS07



GHS08



GHS09

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes up to 5% of n-hexanes
n-hexane

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210

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

P241

Use explosion-proof [electrical/ventilating/lighting] equipment.

P243

Take action to prevent static discharges.

P280

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

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.

2.3 Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components %(m/m):

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes up to 5% of n-hexanes

EC number: 921-024-6

Reg.nr.: 01-2119475514-35

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes up to 5% of n-hexanes

Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411;

Skin Irrit. 2, H315; STOT SE 3, H336

75-100%

n-hexane

CAS: 110-54-3

EINECS: 203-777-6

Reg.nr.: 01-2119480412-44

Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304;

Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336

0.5-2.5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

4. FIRST - AID MEASURES

4.1 Description of first aid measures

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Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: 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.

Remove contact lenses.

After swallowing:

Do not induce vomiting; call for medical help immediately.

Rinse mouth.

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.

5. FIRE - FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: CO₂ or powder. Fight larger fights with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO)

5.3 Advice for firefighters:

Protective equipment: Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

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6.2 Environmental precautions

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

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.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No special precautions are necessary if used correctly.
Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions: Keep container tightly sealed.

Storage class: 3

7.3 Specific end use(s)

No further relevant information available.

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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:

110-54-3 n-hexane

IOELV Long-term value: 72 mg/m³, 20 ppm

DNELs

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes up to 5% of n-hexanes

Dermal Long-term exposure - systemic effects 773 mg/kg bw/day (worker)

Inhalative Long-term exposure - systemic effects 2,035 mg/m³ (worker)

110-54-3 n-hexane

Dermal Long-term exposure - systemic effects 11 mg/kg bw/day (worker)

Inhalative Long-term exposure - systemic effects 75 mg/m³ (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.

Avoid contact with the eyes and skin.

Respiratory protection:

Short term filter device:

Filter A.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

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

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Material of gloves

Suitable materials for safety gloves (EN 374):

Nitrile rubber, NBR

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.

Penetration time of glove material

Value for the permeation: Level \geq 480 min (hydrocarbons)

Thickness of the gloves \geq 0.5 mm (hydrocarbons)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection: Solvent resistant protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	-20 °C
Initial boiling point and boiling range:	78 °C
Flash point:	-26 °C

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Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1 Vol %
Upper:	8 Vol %
Vapour pressure:	Not determined.
Density at 20 °C:	0.71 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Slightly soluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 20 °C:	1 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	100.0 %
VOC (EC)	100,00 %

9.2 Other information

No further relevant information available.

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.

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10.3 Possibility of hazardous reactions

Reacts with strong oxidizing agents.

10.4 Conditions to avoid

High temperatures.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No dangerous decomposition products known

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, cycloalkanes up to 5% of n-hexanes

Oral LD50 5,000 mg/kg (Mouse)

>5,840 mg/kg (Rat)

Dermal LD50 >2,920 mg/kg (Rat)

>2,000 mg/kg (Rabbit)

Inhalative LC50/4h >25,200 mg/m³ (Rat)

LC50/4h 172 mg/l (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.

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

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes up to 5% of n-hexanes

EL50/48h	3 mg/l (daphnia magna) (OESO 202)
LL50/96h	11.4 mg/l (oncorhynchus mykiss) (OESO 203)
NOELR/28d	2.04 mg/l (Salmo gairdneri)
NOELR/21d	1 mg/l (daphnia magna)
ErL50/72h	30-100 mg/l (pseudokirchneriella subcapitata) (OECD)
EbL50/72h	10-30 mg/l (pseudokirchneriella subcapitata) (OECD)
NOEL/72h	3 mg/l (pseudokirchneriella subcapitata) (OECD)

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:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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.

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12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

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.

European waste catalogue

07 01 04* other organic solvents, washing liquids and mother liquors

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN number

ADR/ADN, IMDG, IATA

UN3295

14.2. UN proper shipping name

ADR/ADN

3295 HYDROCARBONS, LIQUID, N.O.S.,
ENVIRONMENTALLY HAZARDOUS

IMDG

HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7,
n-alkanes, isoalkanes, cycloalkanes up to 5% of n-
hexanes, HEXANES), MARINE POLLUTANT

IATA

HYDROCARBONS, LIQUID, N.O.S.

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14.3. Transport hazard class(es)

ADR/ADN, IMDG



Class 3 Flammable liquids.
Label 3

IATA



Class 3 Flammable liquids.
Label 3

14.4. Packing group

ADR/ADN, IMDG, IATA II

14.5. Environmental hazards

Product contains environmentally hazardous substances: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes up to 5% of n-hexanes

Marine pollutant: Symbol (fish and tree)
Special marking (ADR/ADN): Symbol (fish and tree)

14.6. Special precautions for user

Warning: Flammable liquids.

Danger code (Kemler): 33
EMS Number: F-E, S-D
Stowage Category B

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

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	Not applicable.
Transport/Additional information:	
ADR/ADN	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 3295 HYDROCARBONS, LIQUID, N.O.S., 3, II, ENVIRONMENTALLY HAZARDOUS

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

P5c FLAMMABLE LIQUIDS

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:

Other regulations, limitations, and prohibitive regulations

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

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15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Department issuing SDS: Product safety department.

Contact:

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

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)

VOC: Volatile Organic Compounds (USA, EU)

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. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2