SAFETY DATA SHEET
RVS Technology Engine Treatment, Engine Protection & Restoration, Transmission Treatment, Transmission Protection & Restoration, Automatic Gearbox Treatment, Automatic Transmission Protection & Restoration, Power Steering Treatment, Power Steering Protection & Restoration, Professional Gel, Gel, Engine & Hydraulics Protection & Restoration, Transmissions & Hydraulics Protection & Restoration

SDS according to Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex II with amendments in accordance with Commission Regulation (EU) 2020/878.

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

Date issued	August 21, 2023
Date verified	August 21, 2023

1.1 Product identifier

Product name	RVS Technology Engine Treatment, Engine Protection & Restoration, Transmission Treatment, Transmission Protection & Restoration, Automatic Gearbox Treatment, Automatic Transmission Protection & Restoration, Power Steering Treatment, Power Steering Protection & Restoration, Professional Gel, Gel, Engine & Hydraulics Protection & Restoration, Transmissions & Hydraulics Protection & Restoration
Product definition	Gel/suspension in tube or dosimeter pump bottle with or without pump.

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

Use of the substance/preparation	Mixture of natural minerals and admixtures on basis of synthetic oil
Use categories	PC-TEC-OTH Other products for chemicals or technical processes
Use by consumers	Yes

1.3 Details of the supplier of the safety data sheet

Company name	Oy RVS Technology Ltd.
Office address	Pulttitie 2
Postcode	00880
City	Helsinki
Country	Finland
Tel.	+358-(0)9-7599 010
E-mail	rvs@rvs.fi
Website	http://www.rvs.fi/
Enterprise no. (VAT number)	FI21185745

1.4 Emergency telephone number

Emergency telephone	Description: Poison Information Centre (in Finland), Tukholmankatu 17, Box 790, 00029 HUS (Helsinki), (24 h) Telephone: +358-9-4711 or +358-9-471977

SECTION 2: Hazard identification

2.1 Classification of substance or mixture

CLP classification, comments	The substance has not been classified as hazardous.

2.2 Label elements

Other Label Information (CLP)	The substance has not been classified as hazardous.

2.3 Other hazards

Other hazards	A long-term skin contact may desiccate and irritate the skin and cause skin inflammation. The product may harm organisms in the soil and water systems. May not be released to the environment.

SECTION 3: Composition / information on ingredients

3.1 –

3.2 Mixtures

Composition type	Mixture

Substance	Identification	Classification	Contents	Comments
Acetone	CAS no. 67-64-1 EC no.: 200-662-2	Flam. Liq. 2; H225, Eye Irrit. 2; H319, STOT SE 3; H336,	≤1.5 %	

SECTION 4: First aid measures

4.1 Description of first aid measures

General	After exposure or if nausea occurs: Contact Poison Information Centre or a doctor.
Inhalation	The person must rest in fresh air under surveillance. In case of nausea, get medical attention. Take the Safety Data Sheet with you.
Skin contact	Rinse the skin immediately thoroughly with plenty of soap and water. Remove contaminated clothing and continue rinsing. Immediately get medical attention, if irritation persists after the wash.
Eye contact	Immediately flush eyes with plenty of water. Keep eye lashes widened. Remove contact lenses, if easy to do. Continue rinsing. Seek medical attention.
Ingestion	Seek medical attention. Take the Material Safety Data Sheet with you.

4.2 Most important symptoms and effects, both acute and delayed

General symptoms and effects	No known symptoms or effects.

4.3 Indication of any immediate medical attention and special treatment needed

Medical care	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Foam. Powder. Carbon dioxide (CO_2).
Improper extinguishing media	Avoid directing a water jet towards the fire. It may spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	In case of fire, hazardous gases may form. Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3 Advice for firefighters

Personal protective equipment	Wear self-contained breathing apparatus (SCBA) and full protective equipment. Choice of breath protection device during an early phase of a fire: Follow general instructions of the place of work.
Firefighting measures	Cool containers exposed to heat with water until the fire has been extinguished. Remove all the ignition sources if it can be done safely.
Other information	Collect extinguishing water. Waste is disposed of in accordance with instructions given by local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures	Wear appropriate protective equipment. Pay attention on other possible chemicals in the surroundings. Stop leak if it can be done safely. Evacuate the area.

6.2 Environmental precautions

Environmental precautionary measures	Prevent the spilt product from entering water and sewage systems and from contaminating the soil and vegetation. If it is not possible, immediately inform the police and appropriate authorities.

6.3 Methods and material for containment and cleaning up

Cleaning	Collect spilt material in a tightly closed container and let it be disposed of in accordance with local authorities. Spilt product must be absorbed in inert absorption material.

6.4 Reference to other sections

Other instructions	Personal protective equipment: see section 8. Waste disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling	Ensure good ventilation. Follow good chemical hygiene. Eating, drinking, and smoking are prohibited while using the product. Beware of the product getting into eyes, onto skin and clothes. Prevent sparking caused by static electricity.

7.2 Conditions for safe storage, including any incompatibilities

Storage	Store in tightly sealed original package or container in a cool place with good ventilation. Keep containers tightly closed. Do not store in proximity of groceries or animal food. Protect from heat and direct sunlight.

Conditions for safe storage

Storage temperature	Value: 0–40 °C (32–105 °F)

7.3 Specific end use(s)

Specific methods of use	No specific recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substances, the occupational exposure limits (= EL) in the working area are to be controlled (limits indicated according to the applicable statutes in Finland)

Substance	Identification	Exposure limits	Year
Acetone	CAS number: 67-64-1	EL (8 h): 500 ppm EL (8 h): 1200 mg/m^3 **EL (15 min)** Value: 630 ppm **EL (15 min)** Value: 1500 mg/m^3	

Limit values	Source: HTP-Arvot 2020 (in Finnish)

DNEL / PNEC

DNEL	Comment: Data are not available.
PNEC	Comment: Data are not available.

8.2 Exposure controls

Measures to prevent exposure

Appropriate technical measures to prevent exposure	Ensure good ventilation.
Product related measures to prevent exposure	Follow good chemical hygiene. Avoid exposure. Eating, drinking, and smoking are prohibited while using the product. Remove contaminated clothes and wash them thoroughly before wearing them again. Wash hands and any dirty area with water and soap after finishing the work.

Eye and face protection

Required properties	Wear goggles if eye contact or splashes are possible.

Hand protection

Skin and hand protection, short-term contact	Wearing protective gloves is recommended.
Suitable materials	Nitrile rubber. Butyl rubber.
Hand protection, comments	Choose best possible gloves in cooperation with the glove supplier. They can tell you the penetration time of the glove material. When signs of wear are detected in the gloves, replace them with new ones.

Skin protection

Suitable protective clothes	Not necessary in normal circumstances. Suitable protective clothing must be worn if direct contact or splashes are possible.
Skin protection, comments	Remove contaminated clothes and wash them thoroughly before wearing them again. A possibility for immediate eye flushing and shower at the work place.

Breathing protection

General breathing protection	In normal use circumstances a respirator is not necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	Liquid
Physical state	Suspension
Colour	Grey
Odour	Acrid. Almost odourless.
Odour threshold	Comments: Not suitable.
pH	Comments: Not suitable.
Melting point / melting range	Comments: No data.
Freezing point	Comments: Data not available.
Boiling point / boiling range	Value: > 300 °C (> 570 °F) Comments: The acetone included in the mixture may separate and ascend to the surface in long-term storage. The boiling point of acetone is 56 °C (133 °F).
Flash point	Value: > 150 °C (> 300 °F)
Evaporation rate	Comments: No data.
Flammability	Comments: Data not available.
Lower explosion limit and unit of measure	Comments: Data not available.
Upper explosion limit and unit of measure	Comments: Data not available.
Vapour pressure	Comments: Acetone. 24 kPa (3.48 psi) Temperature: 20 °C (68 °F)
Vapour density	Comments: Acetone: ~ 2
Density	Value: 830–950 kg/m³ Temperature: 15 °C (~ 60 °F)
Solubility	Solvent: Water. Comments: The product is not water-soluble.
Partition coefficient: n-octanol / water	Value: 0.58 Comments: log Pow
Spontaneous combustibility	Comments: No data.
Decomposition temperature	Comments: No data.
Viscosity	Comments: Data not available.
Explosive properties	Not classified Solvent vapours may form explosive mixtures with air.
Oxidising properties	Not classified.

9.2 Other information

9.2.1 –

9.2.2 Other safety properties

Comments	Data not available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	There are no known reactivity hazards connected with this product.

10.2 Chemical stability

Stability	Stable when in normal temperatures and used in accordance with instructions.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	Solvent vapours may form explosive mixtures with air.

10.4 Conditions to avoid

Conditions to avoid	Protect from heat, sparks, and open fire. Not to be exposed to high temperatures or direct sunlight.

10.5 Incompatible materials

Materials to avoid	Oxidising materials. Strong alkalis. Strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO_2) are formed.

SECTION 11: Toxicological information

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

Other toxicological information	No data on the product as such exist.

Information on other health hazards

Estimation of acute toxicity	Based on the available information classification criteria are not met.
Estimation of skin corrosion	Based on the available information classification criteria are not met.
General respiratory or skin sensitisation	Based on the available information classification criteria are not met.
Mutagenicity	Based on the available information classification criteria are not met.
Estimation of carcinogenicity	Based on the available information classification criteria are not met.
Estimation of reproductive toxicity	Based on the available information classification criteria are not met.
STOT – single exposure, classification	Based on the available information classification criteria are not met.
STOT – repeated exposure, classification	Based on the available information classification criteria are not met.
Estimation of aspiration hazard classification	Based on the available information classification criteria are not met.

11.2 Information on other hazards

Properties that disturb hormone activity	No data available.

SECTION 12: Ecological information

12.1 Toxicity

Ecological toxicity	No data on the product as such exist.

12.2 Persistence and degradability

Description/estimation of persistence and degradability	No data available.

12.3 Bioaccumulative potential

Estimation of bioaccumulative potential	No data available.

12.4 Mobility in soil

Mobility	No data available.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment results	No data available.

12.6 Endocrine disrupting properties

Endocrine disrupting properties	No data available.

12.7 Other adverse effects

Other ecological data	No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate waste treatment methods, product	The product must not be thrown to the environment, but it has to be collected, and measures have to be undertaken in accordance with the instructions of the local authorities. Empty containers must not be reused.

SECTION 14: Transport information

Product classified as hazardous	No

14.1 UN number

14.2 UN proper shipping name

Comments	Not applicable.

14.3 Transport hazard class(es)

Comments	Not applicable.

14.4 Packing group

Comments	Not applicable.

14.5 Environment hazards

Comments	Not applicable.

14.6 Special precautions for user

Other applicable safety measures of the user	Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Pollution category	Not relevant.

SECTION 15: Regulatory information

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

Restrictions	Not known.
National legislation	Decree of the Ministry of Social Affairs and Health of Finland on delivering notifications on chemicals and information on amounts 1118/2020.
Legislation and regulations	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, with later amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation 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, with later amendments. Seveso directive

15.2 Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

Supplier remarks	Data in this material safety data sheet is based on the data that was available to us on the date of compiling, and they have been given provided the product will be used in normal circumstances and in harmony with methods of use indicated in the package and relevant technical literature.

	Other use of the product, possibly in combination with other products or processes, is done on the responsibility of the user.
List of H phrases used (in sections 2 and 3)	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
The most important sources used in compiling the material safety data sheet	Material safety data sheet March 3rd, 2019
Amendment after previous version (additions, removals and checks)	Significant amendments to the previous version are marked on the left margin with vertical lines.
Version	1
English translation	This document is a translation of the original document in Finnish that has been made in accordance with the laws and regulations applicable in Finland. Parts of this document may not be applicable in other countries and territories. This document may lack essential information that is required in other countries and territories.