

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Version 1.0

Print Date 31.03.2022

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

1.1. Product identifier

Trade name : TYRE SEALANT
Product code : RP-46000 / 46100 / 46200 / 46300

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

VAR SAS
19 Avenue Gustave Eiffel
Lot D6, Espace Eiffel
28630 Gellainville
FRANCE
Tél +33 (0)2 37 33 37 10
contact@vartools.com
<https://www.vartools.com>

1.4. Emergency telephone number

Emergency telephone number : ORFILA (INRS) +33 (0)1 45 42 59 9

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Most important adverse effects

Human Health : See section 11 for toxicological information.
 Physical and chemical hazards : See section 9/10 for physicochemical information.
 Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		Hazard class / Hazard category	Hazard statements
Propane-1,2-diol			
CAS-No. : 57-55-6	>= 5 - <= 10	---	---
EC-No. : 200-338-0			
EU REACH-Reg. No. : 01-2119456809-23-xxxx			

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Take off all contaminated clothing immediately.
 If inhaled : Remove to fresh air. If symptoms persist, call a physician.
 In case of skin contact : Wash off with soap and water. If skin irritation persists, call a physician.

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

If swallowed : Rinse mouth with water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Effects : Health injuries are not known or expected under normal use. See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Incomplete combustion may form toxic pyrolysis products.

Hazardous combustion products : Carbon monoxide, Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Choose protective equipment according to size of fire.

Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes.

6.2. Environmental precautions

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on personal protective equipment.
See Section 13 for waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation.
Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area.
Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Unsuitable materials for containers: Zinc; Suitable materials for containers: Stainless steel; Aluminium; Copper; Nickel

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Further information on storage conditions : Keep tightly closed in a dry and cool place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Other Occupational Exposure Limit Values

(Additional) Information : Contains no substances with occupational exposure limit values.

Component: Propane-1,2-diol CAS-No. 57-55-6

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

DNEL
Workers, Long-term - systemic effects, Inhalation : 168 mg/m³

DNEL
Workers, Long-term - local effects, Inhalation : 10 mg/m³

DNEL
Consumers, Long-term - systemic effects, Skin contact : 213 mg/kg bw/day

DNEL
Consumers, Long-term - systemic effects, Inhalation : 50 mg/m³

DNEL
Consumers, Long-term - systemic effects, Ingestion : 85 mg/kg bw/day

DNEL
Consumers, Long-term - local effects, Inhalation : 10 mg/m³

Predicted No Effect Concentration (PNEC)

Fresh water : 260 mg/l

Marine water : 26 mg/l

Intermittent releases extrapolated : 183 mg/l

Fresh water sediment : 572 mg/kg d.w.

Marine sediment : 57,2 mg/kg d.w.

Soil : 50 mg/kg d.w.

Sewage treatment plant (STP) extrapolated : 2000 mg/l

Secondary poisoning extrapolated : 1133 mg/kg

8.2. Exposure controls

Appropriate engineering controls

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL).
Respiratory protection complying with EN 141.
Recommended Filter type:A

Hand protection

Advice : Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Protective gloves should be replaced at first signs of wear.
The following materials are suitable:
Nitrile rubber
butyl-rubber
polychloroprene
Polyvinylchloride

Eye protection

Advice : Safety goggles

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : liquid
Colour : Whitish
Odour : mild
aromatic
Odour Threshold : not determined

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

pH	:	Not applicable
Freezing point	:	not determined
Boiling point/boiling range	:	100 - 184 °C
Flash point	:	> 104 °C
Evaporation rate	:	not determined
Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit	:	12,6 %(V)
Lower explosion limit	:	2,6 %(V)
Vapour pressure	:	not determined
Relative vapour density	:	not determined
Density	:	1 g/cm ³ (20 °C)
Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	> 400 °C
Thermal decomposition	:	no data available
Viscosity, dynamic	:	not determined
Explosivity	:	Product is not explosive.
Oxidizing properties	:	not oxidising

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Advice : No decomposition if stored and applied as directed.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks.Keep away from direct sunlight.Protect from moisture contamination.
Thermal decomposition : no data available

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents, Strong acids, Zinc

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data for the product	
Acute toxicity	
Oral	
Please find this information in the listing of the component/components below in this section.	
Inhalation	
Please find this information in the listing of the component/components below in this section.	
Dermal	
Please find this information in the listing of the component/components below in this section.	
Irritation	
Skin	
Result	: Please find this information in the listing of the component/components below in this section.
Eyes	
Result	: Please find this information in the listing of the component/components below in this section.
Sensitisation	
Result	: Please find this information in the listing of the component/components below in this section.
CMR effects	
CMR Properties	

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Carcinogenicity : Contains no ingredient listed as a carcinogen
 Mutagenicity : Contains no ingredient listed as a mutagen
 Teratogenicity : It is not considered teratogenic.
 Reproductive toxicity : Contains no ingredient listed as toxic to reproduction

Specific Target Organ Toxicity

Single exposure

Remarks : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Repeated exposure

Remarks : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Other toxic properties

Repeated dose toxicity

no data available

Aspiration hazard

No aspiration toxicity classification,

Component: Propane-1,2-diol CAS-No. 57-55-6

Acute toxicity

Oral

LD50 Oral : 22000 mg/kg (Rat, male and female)

Inhalation

LC50 : > 317042 mg/l (Rabbit; 2 h; dust/mist)

Dermal

LD50 Dermal : > 2000 mg/kg (Rabbit)

Irritation

Skin

Result : No skin irritation (Rabbit) (OECD Test Guideline 404)

Eyes

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Result : No eye irritation (Rabbit) (OECD Test Guideline 405)

Sensitisation

Result : Does not cause skin sensitisation. (Maximisation Test; Guinea pig) (OECD Test Guideline 406)

SECTION 12: Ecological information

12.1. Toxicity

Component:	Propane-1,2-diol	CAS-No. 57-55-6
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Acute toxicity

Fish

LC50 : 40613 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (static test; OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

LC50 : 18340 mg/l (Ceriodaphnia dubia (water flea); 48 h) (static test; OECD Test Guideline 202)

algae

ErC50 : 19000 mg/l (Pseudokirchneriella subcapitata (green algae); 96 h) (static test; End point: Growth rate; OECD Test Guideline 201)

12.2. Persistence and degradability

Component:	Propane-1,2-diol	CAS-No. 57-55-6
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Persistence and degradability

Biodegradability

Result : 81 % (anaerobic; Exposure Time: 28 d)(OECD Test Guideline 301F)Readily biodegradable.The 10 day time window criterion is fulfilled.

Result : 96 % (Exposure Time: 64 d)(OECD Test Guideline 306)

12.3. Bioaccumulative potential

12.4. Mobility in soil

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Component:	Propane-1,2-diol	CAS-No. 57-55-6
Mobility		

- Air : The substance is distributed mainly to the compartments water and soil .
- Soil : Highly mobile in soils

12.5. Results of PBT and vPvB assessment

Data for the product
Results of PBT and vPvB assessment

- Result : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

12.6. Other adverse effects

Data for the product
Additional ecological information

- Result : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
- Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information

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

Data for the product

Nomenclature of classified installations (ICPE) - Directive Seveso III : NC Not classified

Component: Propane-1,2-diol CAS-No. 57-55-6

EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325) : EC Number: , 200-338-0; Listed

15.2. Chemical safety assessment

no data available

VAR RP-46000/46100/46200/46300 - TYRE SEALANT**SECTION 16: Other information**

Full text of H-Statements referred to under sections 2 and 3.

Abbreviations and Acronyms

lowest observed adverse effect concentration

LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NDSL	Canada. Environmental Protection Act. Non-Domestic Substances List
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
NZIOC	New Zealand. Inventory of Chemicals
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
ONT INV	Canada. Ontario Inventory List
PBT	persistent, bioaccumulative and toxic
PHARM (JP)	Japan. Pharmacopoeia Listing
PICCS (PH)	Philippines. Inventory of Chemicals and Chemical Substances
PNEC	predicted no-effect concentration
REACH Auth. No.:	REACH Authorisation Number
REACH AuthAppC. No.	REACH Authorisation Application Consultation Number
STOT	specific target organ toxicity
SVHC	substance of very high concern
TCSI	Taiwan. Existing Chemicals Inventory
TH INV	Thailand. Existing Chemicals Inventory from FDA
TSCA	US. Toxic Substances Control Act
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VN INVL	Vietnam. National Chemical Inventory
vPvB	very persistent and very bioaccumulative AU AIICL

Further information

Key literature references and sources for data : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a

VAR RP-46000/46100/46200/46300 - TYRE SEALANT

Hints for trainings : combination of calculation methods and if available test data.
The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.
The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.