



SAFETY DATA SHEET

Simoniz VHT Silver/Aluminium Paint/Enamel

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

1.1. Product identifier

Product name	Simoniz VHT Silver/Aluminium Paint/Enamel
Product number	SIMVHT22D, SIMVHT31D
UFI	UFI: FFPA-8194-J00V-FHM6
EU REACH registration notes	This is a MIXTURE; no registration information contained in this document. Holts are classed as Downstream User.

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

Identified uses	Car maintenance product. Paint.
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1.3. Details of the supplier of the safety data sheet

Supplier	Holt Lloyd Services 52 Rue des 40 Mines, 60000 – Allonne, France Phone: +33 (0)3 64 99 00 32 info@holtsauto.com
Contact person	Contact email address: info@holtsauto.com
Manufacturer	Holt Lloyd International Ltd Barton Dock Road Stretford Manchester M32 0YQ - England, UK +44 (0) 161 866 4800 FAX +44 (0) 161 866 4854 www.holtsauto.com

1.4. Emergency telephone number

Emergency telephone	UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs
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National emergency telephone number +43 1 31304 5620; chemikalien@umweltbundesamt.at (Austria)
 +32022649636; info@poisoncentre.be (Belgium)
 +359 2 9154 409; poison_centre@mail.orbitel.bg (Bulgaria)
 +38514686910; toksikologija@hzjz.hr (Croatia)
 +35722405611; cy-chemregistry@dli.mlsi.gov.cy (Cyprus)
 +420267082257; biocidy@mzcr.cz (Czech Republic)
 +45 72 54 40 00; mst@mst.dk (Denmark)
 +372 794 3500; clp@terviseamet.ee, info@terviseamet.ee (Estonia)
 +358 5052 000; kirjaamo@tukes.fi (Finland)
 + 33 3 83 85 21 92; bnpc@chru-nancy.fr (France)
 +49-30-18412-0; bfr@bfr.bund.de (Germany)
 +302106479250; +302106479450; devxp.gcsf@aade.gr, environment.gcsf@aade.gr (Greece)
 +36 (1) 476 1135; clp.ca@nnk.gov.hu (Hungary)
 +354 543 22 22; eitur@landspitali.is (Iceland)
 +353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie (Ireland)
 +390649906140; inscweb@iss.it (Italy)
 +371 67032600; lvgmc@lvgmc.lv (Latvia)
 +370 70662008; aaa@aaa.am.lt (Lithuania)
 +320 22649636; +352 24785551; info@poisoncentre.be; direction-sante@ms.etat.lu (Luxembourg)
 +356 2395 2000; info@mccaa.org.mt (Malta)
 +31 88 75 585 61; productnotificatie@umcutrecht.nl (The Netherlands)
 +4573580500; produktregisteret@miljodir.no / +47 21 07 70 00; folkehelseinstituttet@fhi.no (Norway)
 +48 42 2538 400; biuro@chemikalia.gov.pl (Poland)
 +351 800 250 250; ciav.tox@inem.pt (Portugal)
 +40213183606; infotox@insp.gov.ro (Romania)
 +7 495 621 6885; +7 495 628 1687; rtiac@mail.ru; rtiac2003@yahoo.com (Russia)
 +421 2 5465 2307; ntac@ntac.sk (Slovakia)
 + 386 1 522 1293; gp.ukc@kclj.si (Slovenia)
 +34 917689800; intcf.doc@justicia.es (Spain)
 +46104566750; giftinformation@gic.se (Sweden)
 +44 121 507 4123; allistervale@npis.org, sallybradberry@npis.org (UK)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Aerosol 1 - H222, H229
Health hazards	Skin Irrit. 2 - H315 STOT SE 3 - H336
Environmental hazards	Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word

Danger

Simoniz VHT Silver/Aluminium Paint/Enamel

Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
UFI	UFI: FFPA-8194-J00V-FHM6
Contains	Naphtha (petroleum), hydrotreated light, Hydrocarbons, C9, Aromatics
Supplementary precautionary statements	P273 Avoid release to the environment. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Naphtha (petroleum), hydrotreated light		10-30%
CAS number: 64742-49-0 EC number: 265-151-9		
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
BUTANE		10-30%
CAS number: 106-97-8 EC number: 203-448-7		
Classification Flam. Gas 1A - H220 Press. Gas		

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XYLENE		10-30%
CAS number: 1330-20-7 EC number: 215-535-7		
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315		
ISOBUTANE		10-30%
CAS number: 75-28-5 EC number: 200-857-2		
Classification Flam. Gas 1A - H220 Press. Gas		
Hydrocarbons, C9, Aromatics		1-5%
CAS number: 128601-23-0 EC number: 918-668-5		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		1-5%
CAS number: 64742-48-9 EC number: 919-857-5		
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304		
ETHYLBENZENE		1-5%
CAS number: 100-41-4 EC number: 202-849-4		
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332		

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n-BUTANOL	<1%
CAS number: 71-36-3	EC number: 200-751-6
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Keep affected person away from heat, sparks and flames. Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Not relevant.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	If liquid has entered the eyes, proceed as follows. Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Get medical attention promptly if symptoms occur after washing.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.
Eye contact	May be slightly irritating to eyes. Prolonged or repeated exposure may cause severe irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Risk of explosion if heated. Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Oxides of carbon.

5.3. Advice for firefighters

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Protective actions during firefighting Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Do not expose to temperatures exceeding 50°C/122°F.

Storage class Flammable compressed gas storage. Aerosol containers and lighters

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

ISOBUTANE

Long-term exposure limit (8-hour TWA): OES 800 ppm

Short-term exposure limit (15-minute): OES 800 ppm

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Advisory OEL. CEFIC-HSPA : 1200 mg/m³

ETHYLBENZENE

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Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m³(Sk)

n-BUTANOL

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 154 mg/m³(Sk)

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Naphtha (petroleum), hydrotreated light (CAS: 64742-49-0)

DNEL

Workers - Inhalation; Long term systemic effects: 5306 mg/m³

Workers - Dermal; Long term systemic effects: 13964 mg/kg/day

General population - Inhalation; Long term systemic effects: 1131 mg/m³

General population - Dermal; Long term systemic effects: 1377 mg/kg/day

General population - Oral; Long term systemic effects: 1301 mg/kg/day

XYLENE (CAS: 1330-20-7)

DNEL

Consumer - Dermal; Long term systemic effects: 108 mg/kg/day

Workers - Dermal; Long term systemic effects: 180 mg/kg/day

Consumer - Inhalation; Short term local effects: 174 mg/m³

Consumer - Inhalation; Short term systemic effects: 174 mg/m³

Workers - Inhalation; Short term systemic effects: 289 mg/m³

Workers - Inhalation; Short term local effects: 289 mg/m³

Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³

Workers - Inhalation; Long term systemic effects: 77 mg/m³

Hydrocarbons, C9, Aromatics (CAS: 128601-23-0)

DNEL

Workers - Inhalation; Long term systemic effects: 150 mg/m³

Workers - Dermal; Long term systemic effects: 25 mg/kg bw/day

General population - Inhalation; Long term systemic effects: 32 mg/m³

General population - Dermal; Long term systemic effects: 56 mg/kg bw/day

General population - Oral; Long term systemic effects: 56 mg/kg bw/day

ETHYLBENZENE (CAS: 100-41-4)

DNEL

Workers - Inhalation; Long term systemic effects: 77 mg/m³

Workers - irritation (respiratory tract); Short term Acute: 293 mg/m³

Workers - Dermal; Long term systemic effects: 180 mg/kg/day

Workers - Hazard for the eyes

low hazard (no threshold derived)

General population - Inhalation; Long term systemic effects: 15 mg/m³

General population - Oral; Long term systemic effects: 1.6 mg/kg/day

General Population - Hazard for the eyes

low hazard (no threshold derived)

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PNEC	Fresh water; 0.1 mg/l
	Intermittent release, Fresh water; 0.1 mg/l
	marine water; 0.01 mg/l
	STP; 9.6 mg/l
	Sediment (Freshwater); 13.7 mg/kg sediment dry weight
	Sediment (Marinewater); 1.37 mg/kg sediment dry weight
	Soil; 2.68 mg/kg soil dry weight
	Secondary Poisoning (Hazard for Predators) - Oral; 200 mg/kg food

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS: 64742-48-9)

DNEL	Industry - Dermal; Long term : 208 mg/kg/day
	Industry - Inhalation; Long term : 871 mg/m ³
	Consumer - Dermal; Long term : 125 mg/kg/day
	Consumer - Inhalation; Long term : 185 mg/m ³
	Consumer - Oral; Long term : 125 mg/l

n-BUTANOL (CAS: 71-36-3)

DNEL	Workers - irritation (respiratory tract); Long term local effects: 310 mg/m ³
	General population - irritation (respiratory tract); Long term systemic effects: 55.357 mg/m ³
	General population - irritation (respiratory tract); Long term local effects: 155 mg/m ³
	General population - Dermal; Long term systemic effects: 3.125 mg/kg/day
	General population - Oral; Long term systemic effects: 1.562 mg/kg/day

PNEC	Fresh water; 0.082 mg/l
	Fresh water, Intermittent release; 2.25 mg/l
	marine water; 0.008 mg/l
	STP; 2476 mg/l
	Sediment (Freshwater); 0.324 mg/kg
	Sediment (Marinewater); 0.032 mg/kg
	Soil; 0.017 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Butyl rubber. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

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Hygiene measures	Good personal hygiene procedures should be implemented. Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Silver.
Odour	Organic solvents.
pH	Not relevant.
Flash point	< 0°C Closed cup.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.6 % Upper flammable/explosive limit: 10.9 %
Vapour pressure	3500 hPa @ 20°C
Relative density	0.665 @ 20°C
Solubility(ies)	Immiscible with water.
Auto-ignition temperature	> 200°C

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 91.6 %. This product contains a maximum VOC content of 609.3 g/l. UK: (cat B/e): 840 g/l .
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Toxicological effects	Information given is based on data of the components and of similar products.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	16,800.4
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	378,009.11
ATE inhalation (vapours mg/l)	84.0
ATE inhalation (dusts/mists mg/l)	126.0
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	May cause drowsiness or dizziness.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	Not relevant.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.

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Eye contact May be slightly irritating to eyes. Prolonged or repeated exposure may cause severe irritation.

Toxicological information on ingredients.

Naphtha (petroleum), hydrotreated light

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 5610 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity NOAEC 9869 mg/m³, Inhalation, Rat Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Fertility, Two-generation study - NOAEC 20000 mg/m³, Inhalation, Rat F2a Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - NOAEC: 23900 mg/m³, Inhalation, Rat Developmental toxicity: - NOAEL: 500 mg/kg bw/day, Dermal, Rat Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

BUTANE

Acute toxicity - oral

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Acute toxicity oral (LD₅₀
mg/kg)

5,000.0

Species

Rat

PROPANE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

5,000.0

Species

Rat

ATE oral (mg/kg)

5,000.0

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg)

3,523.0

Species

Rat

ATE oral (mg/kg)

3,523.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg)

2,000.0

Species

Rabbit

ATE dermal (mg/kg)

2,000.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ vapours mg/l)

29,000.0

Species

Rat

Species

Human

ATE inhalation (vapours
mg/l)

11.0

Skin corrosion/irritation

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Serious eye
damage/irritation

Causes serious eye irritation.

Carcinogenicity

IARC carcinogenicity

IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Aspiration hazard

Aspiration hazard

May be fatal if swallowed and enters airways.

ISOBUTANE

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Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species Rat

ATE dermal (mg/kg) 5,000.0

Acute toxicity - inhalation

Species Rat

Notes (inhalation LC₅₀) LC50 > 5000 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity - fertility One-generation study - NOAEL ≥ 3000 mg/kg bw/day, Oral, Rat P

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Reproductive toxicity - development Developmental toxicity: - NOAEC: $\geq$ 300 ppm, Inhalation, Rat

Specific target organ toxicity - single exposure

STOT - single exposure Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

ETHYLBENZENE

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 3500 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 15400 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Harmful if inhaled. LC₅₀ 17629 mg/m³, Inhalation, Mouse

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No adverse effects observed (not sensitising)

Germ cell mutagenicity

Genotoxicity - in vitro No adverse effects observed (negative)

Genotoxicity - in vivo No adverse effects observed (negative)

Carcinogenicity

Carcinogenicity NOAEC 1085.13 mg/m³, Inhalation, Rat Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEC 4342.13 mg/m³, Inhalation, Rat F1 Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - NOAEL: 750 mg/kg/day, Oral, Rat Developmental toxicity: - NOAEC: 434.21 mg/m³, Inhalation, Mouse No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Conclusive data but not sufficient for classification.

Specific target organ toxicity - repeated exposure

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STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Target organs Hearing organs

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

n-BUTANOL

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 2292 mg/kg, Oral, Rat Harmful if swallowed.

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 3430 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₀ 17760 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro No adverse effects observed (negative)

Genotoxicity - in vivo No adverse effects observed (negative)

Carcinogenicity

Carcinogenicity No specific test data are available.

Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEL 500 mg/kg/day, Oral, Rat P Fertility - NOAEC 6189 mg/m³, Inhalation, Rat P Conclusive data but not sufficient for classification.

Reproductive toxicity - development Developmental toxicity: - NOAEL: 1454 mg/kg/day, Oral, Rat Developmental toxicity: - NOAEC: 10800 mg/m³, Inhalation, Rat This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure May cause respiratory irritation

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Prolonged or repeated exposure may cause the following adverse effects: Central and/or peripheral nervous system damage.

Aspiration hazard

Aspiration hazard Not relevant.

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SECTION 12: Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

Naphtha (petroleum), hydrotreated light

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: 10 mg/l, Oncorhynchus mykiss (Rainbow trout)
LL₅₀, 96 hours: 8.2 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EL₅₀, 48 hours: 4.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants EL₅₀, 72 hours: 3.1 mg/l, Pseudokirchneriella subcapitata
NOELR, 72 hours: 0.5 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms EC₅₀, 40 hours: 15.41 mg/l, Tetrahymena pyriformis

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOELR, 21 days: 2.6 mg/l, Daphnia magna

XYLENE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 13.5 hours: 96 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 7.4 hours: 48 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 1-10 mg/l, Algae

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: > 1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms EL₅₀, 48 hours: 0.95 mg/l, Tetrahymena pyriformis, QSAR

ETHYLBENZENE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 4.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hours: 5.1 mg/l, Menidia menidia (Atlantic silverside)

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Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1.8 mg/l, Daphnia magna LC ₅₀ , 48 hours: 3.2 mg/l, Ceriodaphnia dubia LC ₅₀ , 96 hours: 2.6 mg/l, Mysid shrimp, Americamysis bahia
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 3.6 mg/l, Pseudokirchneriella subcapitata EC ₁₀ , NOEC, 96 hours: 3.4 mg/l, Pseudokirchneriella subcapitata EC ₅₀ , 96 hours: 7.7 mg/l, Skeletonema costatum EC ₁₀ , NOEC, 96 hours: 4.5 mg/l, Skeletonema costatum
Acute toxicity - microorganisms	EC ₅₀ , 24 hours: 96 mg/l, Nitrosomonas sp.
Acute toxicity - terrestrial	LC ₅₀ , 48 hours: 0.047 mg/cm ² , Eisenia Fetida (Earthworm)
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - aquatic invertebrates	LC ₅₀ , 7 days: 3.6 mg/l, Ceriodaphnia dubia NOEL, 7 days: 1.0 mg/l, Ceriodaphnia dubia

n-BUTANOL

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 1376 hours: 96 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1328 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 225 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₁₀ , 17 hours: 2476 mg/l, Pseudomonas putida
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 4.1 mg/l, Daphnia magna

12.2. Persistence and degradability

Ecological information on ingredients.

Naphtha (petroleum), hydrotreated light

Biodegradation	Inherently biodegradable.
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XYLENE

Biodegradation	The substance is readily biodegradable.
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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Persistence and degradability	Rapidly degradable
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ETHYLBENZENE

Persistence and degradability	Rapidly degradable 28 days 79%
Phototransformation	Air - Half-life 50%: 2.3 days

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n-BUTANOL

Persistence and degradability Rapidly degradable

12.3. Bioaccumulative potential

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

ETHYLBENZENE

Bioaccumulative potential BCF: 110, QSAR

Partition coefficient Log Kow (Log Pow): 3.6 @ 20 deg C

n-BUTANOL

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient 1.0 @ 25 deg C

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

n-BUTANOL

Adsorption/desorption coefficient - Koc: 3.471 @ 20°C

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

ETHYLBENZENE

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

n-BUTANOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Simoniz VHT Silver/Aluminium Paint/Enamel

Disposal methods Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General As supplied, this product is consigned under the Limited Quantities provisions.

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS (CONTAINS Naphtha (petroleum), hydrotreated light, Hydrocarbons, C9, Aromatics)

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels



14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ICAO packing group	None
ADN packing group	None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



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14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Authorisations (SI 2020 No. 1577 Annex XIV)	No specific authorisations are known for this product.
Restrictions (SI 2020 No. 1577 Annex XVII)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE: Acute Toxicity Estimate. BOD: Biochemical Oxygen Demand. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. EC₅₀: 50% of maximal Effective Concentration. GHS: Globally Harmonized System. IARC: International Agency for Research on Cancer. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). LOAEC: Lowest Observed Adverse Effect Concentration. LOAEL: Lowest Observed Adverse Effect Level. NOAEC: No Observed Adverse Effect Concentration. NOAEL: No Observed Adverse Effect Level. NOEC: No Observed Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. SVHC: Substances of Very High Concern. UVCB - Unknown or variable composition, complex reaction products or Biological materials. vPvB: Very Persistent and Very Bioaccumulative.
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Simoniz VHT Silver/Aluminium Paint/Enamel

Classification procedures according to SI 2019 No. 720	Aerosol 1 - H222, H229: Calculation method. Skin Irrit. 2 - H315: Calculation method. STOT SE 3 - H336: Calculation method. Aquatic Chronic 2 - H411: Calculation method.
Issued by	Regulatory Specialist
Revision date	25/02/2022
Revision	4
Supersedes date	18/07/2021
SDS number	15054
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H229 Pressurised container: may burst if heated. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.