



Prestone



SIMONIZ

SAFETY DATA SHEET

Simoniz Back to Black Wet Look Tyre & Trim

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

1.1. Product identifier

Product name	Simoniz Back to Black Wet Look Tyre & Trim
Product number	SAPP0193A
Internal identification	NQA2325A
UFI	UFI: YME6-N0E0-U00H-C42Y
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.
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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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Simoniz Back to Black Wet Look Tyre & Trim

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.gcs@aade.gr, environment.gcs@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)
 +351213303271; 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; ntic@ntic.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 (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE, 2-Methyl-4-isothiazolin-3-one. May produce an allergic reaction. H319 Causes serious eye irritation.

Simoniz Back to Black Wet Look Tyre & Trim

Precautionary statements	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
UFI	UFI: YME6-N0E0-U00H-C42Y
Detergent labelling	5 - < 15% aliphatic hydrocarbons, < 5% non-ionic surfactants, Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE, 2-Methylisothiazolin-3-one

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<p>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 5-10%</p> <p>CAS number: 64742-48-9 EC number: 919-857-5 REACH registration number: 01-2119463258-33-XXXX</p>
<p>Classification</p> <p>Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304</p>
<p>Alcohols, C9-11, ethoxylated 1-5%</p> <p>CAS number: 68439-46-3</p>
<p>Classification</p> <p>Acute Tox. 4 - H302 Eye Dam. 1 - H318</p>
<p>1,2-BENZISOTHIAZOL-3(2H)-ONE <1%</p> <p>CAS number: 2634-33-5 EC number: 220-120-9 REACH registration number: 01-2120761540-60-XXXX</p> <p>M factor (Acute) = 1</p>
<p>Classification</p> <p>Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411</p>

Simoniz Back to Black Wet Look Tyre & Trim

SODIUM HYDROXIDE		<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
Classification		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

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	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with 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

Inhalation	No significant hazard at normal ambient temperatures.
Ingestion	May cause discomfort if swallowed.
Skin contact	May be slightly irritating to skin. Prolonged skin contact may cause redness and 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	The product is not flammable. 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	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
Hazardous combustion products	Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting	No specific requirements are anticipated under normal conditions of use.
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Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Simoniz Back to Black Wet Look Tyre & Trim

Personal precautions Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

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

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

Advisory OEL. CEFIC-HSPA : 1200 mg/m³

SODIUM HYDROXIDE

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

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

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/m³
 Consumer - Dermal; Long term : 125 mg/kg/day
 Consumer - Inhalation; Long term : 185 mg/m³
 Consumer - Oral; Long term : 125 mg/l

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

DNEL

Workers - Inhalation; Long term systemic effects: 6.81 mg/m³
 Workers - Dermal; Long term systemic effects: 0.966 mg/kg bw/day
 General population - Inhalation; Long term systemic effects: 1.2 mg/m³
 General population - Dermal; Long term systemic effects: 0.345 mg/kg bw/day

Simoniz Back to Black Wet Look Tyre & Trim

PNEC	Fresh water; Long term 4.03 µg/l
	Fresh water; Long term 0.403 µg/l
	STP; Long term 1.03 mg/l
	Sediment (Freshwater); Long term 49.9 µg/kg sediment dw
	Sediment (Marinewater); Long term 4.99 µg/kg sediment dw
	Soil; Long term 3 mg/kg soil dry weight

2-Methyl-4-isothiazolin-3-one (CAS: 2682-20-4)

DNEL	Workers - Inhalation; Long term local effects: 0.021 mg/m ³
	Workers - Inhalation; Short term local effects: 0.043 mg/m ³
	General population - Inhalation; Long term local effects: 0.021 mg/m ³
	General population - Inhalation; Short term local effects: 0.043 mg/m ³
	General population - Oral; Long term systemic effects: 0.027 mg/kg bw/day

PNEC	Fresh water; Long term 3.39 µg/l
	marine water; Long term 3.39 µg/l
	STP; Long term 0.23 mg/l
	Soil; Long term 0.047 mg/kg soil dry weight

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Workers - Inhalation; Long term local effects: 1 mg/m ³
	General population - Dermal; Long term local effects: 1 mg/m ³

8.2. Exposure controls

Eye/face protection	Wear eye protection.
Hand protection	For users with sensitive skin, it is recommended that suitable protective gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Good personal hygiene procedures should be implemented.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Opaque liquid.
Colour	White.
Odour	Solvent.
pH	pH (concentrated solution): 7.87
Flash point	Not applicable.
Relative density	0.967 @ 20°C
Solubility(ies)	Miscible with water.

9.2. Other information

Other information	No data available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Simoniz Back to Black Wet Look Tyre & Trim

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available. Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 21,122.81

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

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.

Simoniz Back to Black Wet Look Tyre & Trim

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 Not relevant.

Inhalation No significant hazard at normal ambient temperatures.

Ingestion May cause discomfort if swallowed.

Skin contact May be slightly irritating to skin. Prolonged and frequent contact may cause redness and irritation.

Eye contact Causes serious eye irritation.

Acute and chronic health hazards Only large quantities are likely to have adverse effects on human health.

Toxicological information on ingredients.

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

Simoniz Back to Black Wet Look Tyre & Trim

Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	There is no evidence that the product can cause cancer.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	One-generation study - NOAEL \geq 3000 mg/kg bw/day, Oral, Rat P
Reproductive toxicity - development	Developmental toxicity: - NOAEC: \geq 300 ppm, Inhalation, Rat
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Central and/or peripheral nervous system damage.
<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	May be fatal if swallowed and enters airways.

Alcohols, C9-11, ethoxylated

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	301.0
Species	Rat
ATE oral (mg/kg)	301.0

1,2-BENZISOTHIAZOL-3(2H)-ONE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	1,020.0
Species	Rat
Notes (oral LD₅₀)	LD ₅₀ 490 mg/kg, Oral, Rat
ATE oral (mg/kg)	500.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ > 2000 mg/kg, Dermal, Rat NOAEL 2000 mg/kg, Dermal, Rat
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	No specific test data are available.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	

Simoniz Back to Black Wet Look Tyre & Trim

Serious eye damage/irritation	Causes serious eye damage.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	May cause an allergic skin reaction.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Two-generation study - NOAEL 112 mg/kg/day, Oral, Rat P 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	No information available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	Not relevant.

2-Methyl-4-isothiazolin-3-one

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	235.0
Species	Rat
ATE oral (mg/kg)	235.0
<u>Acute toxicity - dermal</u>	
ATE dermal (mg/kg)	300.0
<u>Acute toxicity - inhalation</u>	
ATE inhalation (gases ppm)	100.0
ATE inhalation (vapours mg/l)	0.5
ATE inhalation (dusts/mists mg/l)	0.05
<u>Skin corrosion/irritation</u>	

Simoniz Back to Black Wet Look Tyre & Trim

Skin corrosion/irritation	Causes severe burns.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	May cause an allergic skin reaction.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEL 3.1 mg/kg/day, Oral, Rat NOAEL 400 mg/kg/day, Dermal, Mouse Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Two-generation study - NOAEL 69 mg/kg/day, Oral, Rat F0 Two-generation study - NOAEL 30 mg/kg/day, Oral, Rabbit Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 40 mg/kg/day, Oral, Rat Maternal toxicity: - NOAEL: 10 mg/kg/day, Oral, Rabbit Developmental toxicity: - NOAEL: 30 mg/kg/day, Oral, Rabbit Does not contain any substances known to be toxic to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<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.

SODIUM HYDROXIDE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	500.0
Species	Rat
Notes (oral LD₅₀)	Not applicable. REACH dossier information.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	Not applicable. REACH dossier information.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Not applicable. REACH dossier information.
<u>Skin corrosion/irritation</u>	

Simoniz Back to Black Wet Look Tyre & Trim

Skin corrosion/irritation	Causes severe burns.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Scientifically unjustified. REACH dossier information.
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Based on available data the classification criteria are not met.
<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.

SECTION 12: Ecological information

Ecotoxicity Based on available data, the classification criteria are not met.

12.1. Toxicity

Toxicity There is no data on the product itself, see ingredient-specific data below.

Ecological information on ingredients.

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

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EL50, 48 hours: 0.95 mg/l, Tetrahymena pyriformis, QSAR

Simoniz Back to Black Wet Look Tyre & Trim

1,2-BENZISOTHIAZOL-3(2H)-ONE

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 2.15 mg/l, Cyprinodon variegatus (Sheepshead minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 2.94 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 110 µg/l, Selenastrum capricornutum NOEC, 72 hours: 40.3 µg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: 13 mg/l, Activated sludge NOEC, 3 hours: 11 mg/l, Activated sludge
Acute toxicity - terrestrial	EC ₅₀ , 14 days: 410.6 mg/kg/day, Eisenia Fetida (Earthworm) NOEC, 14 days: 234.5 mg/kg/day, Eisenia Fetida (Earthworm)

2-Methyl-4-isothiazolin-3-one

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 4.77 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.934 mg/l, Daphnia magna NOEC, 48 hours: < 0.275 mg/l, Daphnia magna LC ₅₀ , 96 hours: 1.81 mg/l, Marinewater invertebrates, Mysid shrimp, Americamysis bahia NOEC, 96 hours: 1.3 mg/l, Marinewater invertebrates, Mysid shrimp, Americamysis bahia
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.103 mg/l, Selenastrum capricornutum NOEC, 72 hours: 0.05 mg/l, Selenastrum capricornutum EC ₅₀ , 72 hours: 0.072 mg/l, Marinewater algae, Skeletonema costatum NOEC, 72 hours: 0.072 mg/l, Marinewater algae, Skeletonema costatum
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: 41 mg/l, Activated sludge

Chronic aquatic toxicity

M factor (Chronic)	1
Chronic toxicity - fish early life stage	NOEC, 33 days: 2.1 mg/l, Pimephales promelas (Fat-head Minnow)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.044 mg/l, Daphnia magna

SODIUM HYDROXIDE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 33-189 hours: 96 mg/l, Fish LC ₅₀ , 45.5 hours: 96 mg/l, Oncorhynchus mykiss (Rainbow trout)
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Simoniz Back to Black Wet Look Tyre & Trim

Acute toxicity - aquatic invertebrates	LC ₅₀ , 48 hours: 30 - < 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	Scientifically unjustified.
Acute toxicity - microorganisms	EC10, 2 minutes: 161 mg/l, Tetrahymena Thermophila EC ₅₀ , 15 minutes: 22 mg/l, Photobacterium phosphoreum luminescence inhibition study
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	Not available.
Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Not applicable.

12.2. Persistence and degradability

Persistence and degradability Moderately biodegradable.

Ecological information on ingredients.

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

Persistence and degradability Rapidly degradable

1,2-BENZISOTHIAZOL-3(2H)-ONE

Persistence and degradability Not readily biodegradable.

Phototransformation Calculation method.
- Half-life, DT₅₀ : 7,568 hours

2-Methyl-4-isothiazolin-3-one

Persistence and degradability Not readily biodegradable.

Phototransformation Calculation method.
- Half-life : 14.35 hours

SODIUM HYDROXIDE

Persistence and degradability No data available.

Stability (hydrolysis) Scientifically unjustified.
REACH dossier information.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

Ecological information on ingredients.

Simoniz Back to Black Wet Look Tyre & Trim

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

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

1,2-BENZISOTHIAZOL-3(2H)-ONE

Bioaccumulative potential Bioaccumulation is unlikely.

2-Methyl-4-isothiazolin-3-one

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Kow: -0.486

SODIUM HYDROXIDE

Bioaccumulative potential No potential for bioaccumulation.

Partition coefficient No information required. REACH dossier information.

12.4. Mobility in soil

Mobility The product contains substances which are water-soluble and may spread in water systems.

Ecological information on ingredients.

1,2-BENZISOTHIAZOL-3(2H)-ONE

Adsorption/desorption coefficient Soil - Log Koc: 9.33 @ 20°C

2-Methyl-4-isothiazolin-3-one

Adsorption/desorption coefficient - Koc: 6 - 10 @ 20 - 25°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB at > 0.1%

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 EU criteria.

1,2-BENZISOTHIAZOL-3(2H)-ONE

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

2-Methyl-4-isothiazolin-3-one

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

SODIUM HYDROXIDE

Simoniz Back to Black Wet Look Tyre & Trim

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

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).

EU legislation 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 (as amended).

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) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

Simoniz Back to Black Wet Look Tyre & Trim

Authorisations (Annex XIV Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Annex XVII Regulation 1907/2006) 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	<p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>BOD: Biochemical Oxygen Demand.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>EC₅₀: 50% of maximal Effective Concentration.</p> <p>GHS: Globally Harmonized System.</p> <p>IARC: International Agency for Research on Cancer.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC₅₀: Lethal Concentration to 50 % of a test population.</p> <p>LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>LOAEC: Lowest Observed Adverse Effect Concentration.</p> <p>LOAEL: Lowest Observed Adverse Effect Level.</p> <p>NOAEC: No Observed Adverse Effect Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>SVHC: Substances of Very High Concern.</p> <p>UVCB - Unknown or variable composition, complex reaction products or Biological materials.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Classification procedures according to Regulation (EC) 1272/2008	Eye Irrit. 2 - H319: Calculation method. EUH208: Calculation method.
Training advice	Chemical hazard awareness training, including labelling, Safety Data Sheets, Personal Protective Equipment (PPE) and hygiene as relevant for the target audience.
Issued by	Regulatory Specialist
Revision date	12/08/2021
Revision	1
SDS number	21834

Simoniz Back to Black Wet Look Tyre & Trim

Hazard statements in full

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE, 2-Methyl-4-isothiazolin-3-one. May produce an allergic reaction.

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.