

## Safety Data Sheet

### RT SATIN W BLACK

Safety Data Sheet dated 24/2/2016, version 2,  
print date 24/2/2016

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

- 1.1. Product identifier  
Mixture identification:  
Trade name: RT SATIN W BLACK  
Trade code: 22610
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use:  
Paint for roof tiles. Industrial use only
- 1.3. Details of the supplier of the safety data sheet  
Company:  
Fenzi Belgium n.v./s.a. Levisstraat (Gustaaf) 25, B – 1800 Vilvoorde Belgium  
Fenzi Belgium n.v./s.a. Tel. n. +32 (0) 2 275 94 29  
Competent person responsible for the safety data sheet:  
safety@fenzigroup.com
- 1.4. Emergency telephone number  
Fenzi Belgium n.v./s.a. Tel. n. +32 (0) 2 275 94 29

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#### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture  
EC regulation criteria 1272/2008 (CLP):  
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).  
No specific hazards are encountered under normal product use.  
Adverse physicochemical, human health and environmental effects:  
No other hazards
- 2.2. Label elements
- Hazard pictograms:  
None
- Hazard statements:  
None
- Precautionary statements:  
None
- Special Provisions:  
EUH210 Safety data sheet available on request.
- Contents:  
tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dio: May produce an allergic reaction.  
disodium peroxodisulphate: May produce an allergic reaction.  
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one: May produce an allergic reaction.
- Special provisions according to Annex XVII of REACH and subsequent amendments:  
None
- 2.3. Other hazards  
vPvB Substances: None - PBT Substances: None  
Other Hazards:  
No other hazards  
No specific hazards are encountered under normal product use.

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#### SECTION 3: Composition/information on ingredients

- 3.1. Substances  
N.A.

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#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 1% - < 3%	2-(2-butoxyethoxy) ethanol; diethylene glycol monobutyl ether	Index number: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-2119475104-44-XXXX	⚠ 3.3/2 Eye Irrit. 2 H319
>= 0.1% - < 0.25%	tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dio	CAS: 5395-50-6 EC: 226-408-0	⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
>= 0.1% - < 0.25%	disodium peroxodisulphate	CAS: 7775-27-1 EC: 231-892-1	⚠ 2.14/2 Ox. Sol. 2 H272 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.1/1-1A-1B Resp. Sens. 1,1A, 1B H334 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
168 ppm	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Index number: 613-088-00-6 CAS: 2634-33-5 EC: 220-120-9	⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 4.1/A1 Aquatic Acute 1 H400 ⚠ 3.1/4/Oral Acute Tox. 4 H302

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

## SECTION 5: Firefighting measures

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- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media which must not be used for safety reasons:  
Waterjet
- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.
- 5.3. Advice for firefighters  
Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear personal protection equipment.  
Remove all sources of ignition.  
Remove persons to safety.  
See protective measures under point 7 and 8.
- 6.2. Environmental precautions  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up  
Wash with plenty of water.
- 6.4. Reference to other sections  
See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities  
5°C < T < 30°C  
Keep away from food, drink and feed.  
Incompatible materials:  
Oxidizing agents, strong alkalis, strong acids. See, too, paragraph 10 below.  
Instructions as regards storage premises:  
Adequately ventilated premises.
- 7.3. Specific end use(s)  
None in particular

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5  
EU - LTE(8h): 67,5 mg/m<sup>3</sup>, 10 ppm - STE: 101,2 mg/m<sup>3</sup>, 15 ppm - Notes: Bold-type:  
Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational  
Exposure [4] (for references see bibliography)  
ACGIH - LTE(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff  
DNEL Exposure Limit Values  
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

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Worker Professional: 0.1012 mg/l - Consumer: 0.506 mg/l - Exposure: Human Inhalation - Frequency: Short Term (acute)  
 Worker Professional: 20 mg/kg - Consumer: 10 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)  
 Worker Professional: 0.0675 mg/l - Consumer: 0.034 mg/l - Exposure: Human Inhalation - Frequency: Long Term (repeated)  
 Consumer: 1.25 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

#### PNEC Exposure Limit Values

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 0.1 mg/l

Target: Freshwater sediments - Value: 4 mg/kg

Target: Marine water sediments - Value: 0.4 mg/kg

Target: Soil (agricultural) - Value: 0.4 mg/kg

#### 8.2. Exposure controls

##### Eye protection:

Eye glasses with side protection.

##### Protection for skin:

Chemical protection clothing.

No special precaution must be adopted for normal use.

##### Protection for hands:

Suitable gloves type:

NBR (nitrile rubber).

Not needed for normal use.

##### Respiratory protection:

Not needed for normal use.

##### Thermal Hazards:

None

##### Environmental exposure controls:

None

##### Appropriate engineering controls:

None

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid Black	--	--
Odour:	low	--	--
Odour threshold:	Not Relevant	--	--
pH:	N.A.	--	--
Melting point / freezing point:	not applicable °C	--	--
Initial boiling point and boiling range:	not available °C	--	--
Flash point:	Not Relevant	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	not applicable	--	--

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Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	not available	--	--
Vapour density:	not available	--	--
Relative density:	1.2	--	--
Solubility in water:	none	--	--
Solubility in oil:	none	--	--
Partition coefficient (n-octanol/water):	not applicable	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	20	CF4 (s) 20°C	--
Explosive properties:	not applicable	--	--
Oxidizing properties:	not applicable	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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## SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.  
Carbon oxides Nitrogen Oxides Oxides of silicon.

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## SECTION 11: Toxicological information

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#### 11.1. Information on toxicological effects

Toxicological information of the main substances found in the mixture:

N.A.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dio - CAS: 5395-50-6

##### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 17.8 mg/l - Duration h: 48 - Notes: (Daphnia)

Endpoint: EC50 - Species: Algae = 8.5 mg/l - Duration h: 72 - Notes: (desmodesmus subspicatus)

Endpoint: LC50 - Species: Fish = 158 mg/l - Duration h: 96 - Notes: (brachydanio rerio)

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5

##### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 3 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.067 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 2.2 mg/l - Duration h: 96

#### 12.2. Persistence and degradability

None

N.A.

#### 12.3. Bioaccumulative potential

N.A.

#### 12.4. Mobility in soil

N.A.

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

#### 12.6. Other adverse effects

None

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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### SECTION 14: Transport information

#### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

#### 14.2. UN proper shipping name

N.A.

#### 14.3. Transport hazard class(es)

N.A.

#### 14.4. Packing group

N.A.

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

N.A.

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

Environmental Pollutant:

N.A.

#### 14.8 Exemptions

N.A.

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### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

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Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

Restriction 55

Volatile Organic compounds - VOCs = 21 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No

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### SECTION 16: Other information

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.