

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier**

Product Form Mixture  
Product Name Floors of Stone - Ironwax Satin  
UFI

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public  
Main use category Professional use, consumer use.  
Use of substance/mixture Maintenance cleaner for tiled surfaces.

**1.2.2. Uses advised against**

Restrictions on use Not otherwise specified.

**1.3. Details of the supplier of the safety data sheet**

Supplier Floors of Stone,  
Cotes Mill,  
Nottingham Road,  
Loughborough,  
Leicestershire,  
LE12 5TL  
Telephone +44 (0) 1509 234000  
Office hours 08:30 - 17:00 (Mon - Fri)  
10:00 - 17:00 (Sat)

**1.4. Emergency telephone number****Emergency number**

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

# Ironwax Satin

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### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1271/2008 [CLP]

**Skin sensitisation, Category 1**

H317

**Full text of H statements**

See section 16

**Adverse physicochemical, human health and environmental effects**

May cause an allergic skin reaction.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

**Hazard pictograms (CLP)**



GHS07

**Signal word (CLP)**

Warning

**Contains**

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one;  
2-methylisothiazol-3(2H)-one

**Hazard statements (CLP)**

H317 - May cause an allergic skin reaction.

**Precautionary statements (CLP)**

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P261 - Avoid breathing vapours, spray.

P280 - Wear protective gloves, eye protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents and container to a hazardous or special waste collection point.

**Child-resistant fastening**

Not applicable

**Tactile warning**

Not applicable

#### 2.3. Other hazards

No additional information available

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dipropylene glycol methyl ether substance with a Community workplace exposure limit	(CAS-No.) 34590-94-8 (EC-No.) 252-104-2 (REACH-no) 01-2119450011-60	$\geq 1 - < 10$	Not classified
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3- one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60	$< 3$	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
2-methylisothiazol-3(2H)-one	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6 (EC Index-No.) 613-326-00-9 (REACH-no) 01-2120764690-50	$< 3$	Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3- one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6 (REACH-no) 01-2120761540-60	( $0.05 \leq C \leq 100$ ) Skin Sens. 1, H317
2-methylisothiazol-3(2H)-one	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6 (EC Index-No.) 613-326-00-9 (REACH-no) 01-2120764690-50	( $0.0015 \leq C \leq 100$ ) Skin Sens. 1A, H317

Full text of H statements

See section 16

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### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Call a poison centre or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	May cause an allergic skin reaction.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
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#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Toxic fumes may be released.
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#### 5.3. Advice for firefighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist, fume, vapours, spray.
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#### 6.1.2. For emergency responders

Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Take up liquid spill into absorbent material.
Other information	Dispose of materials or solid residues at an authorised site.

### 6.4. Reference to other sections

For further information	Refer to section 13
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# Ironwax Satin

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### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

##### Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing mist, fume, vapours, spray. Wear personal protective equipment.

##### Hygiene measures

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage conditions

Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

##### 8.1.1. National occupational exposure and biological limit values

##### Dipropylene glycol methyl ether (34590-94-8)

United Kingdom - Occupational Exposure Limits

Local name	(2-methoxymethylethoxy) propanol
WEL TWA (OEL TWA) [1]	308 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	50 ppm
(Remark (WEL))	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

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### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls** Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

**Personal protective equipment** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

<b>Eye protection:</b>
Safety glasses

#### 8.2.2.2. Skin protection

<b>Skin and body protection:</b>
Wear suitable protective clothing

<b>Hand protection:</b>
Protective gloves

#### 8.2.2.3. Respiratory protection

<b>Respiratory protection:</b>
In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

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### 8.2.3. Environmental exposure controls

Environmental exposure controls      Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	Liquid
Colour	Milky
Odour	Floral
Odour threshold	No data available
pH	7.4
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Relative vapour density at 20 °C	Not applicable
Relative density	No data available
Solubility	Soluble in water.
Partition coefficient n-octanol/ water (Log Pow)	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

### 9.2. Other information

No additional information available



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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage  
and handling conditions

See section 7

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

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

LD50 oral rat	1020 mg/kg
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#### Dipropylene glycol methyl ether (34590-94-8)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 3000 mg/m <sup>3</sup> Source: ECHA

Skin corrosion/irritation	Not classified
pH	7.4
Serious eye damage/irritation	Not classified
pH	7.4
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

#### Dipropylene glycol methyl ether (34590-94-8)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other: KANPOGYO No.700, YAKUHATSU No. 1039.61, and KIKYKU No. 1014.
NOAEL (dermal, rat/rabbit, 90 days)	2850 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard	Not classified
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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Ecology - general

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

##### Hazardous to the aquatic environment, short-term (acute)

Not classified

##### Hazardous to the aquatic environment, long-term (chronic)

Not classified

##### Not rapidly degradable

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

LC50 - Fish [1]	10 mg/l
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#### Dipropylene glycol methyl ether (34590-94-8)

LC50 - Fish [1]	> 1000 mg/l Test organisms (species): <i>Poecilia reticulata</i>
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea: <i>Acartia tonsa</i>
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i> )
EC50 96h - Algae [1]	> 969 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i> )
LOEC (chronic)	0.5 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '22 d'
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '22 d'

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

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

Partition coefficient n-octanol/water (Log Pow)	0.64
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#### 12.4. Mobility in soil

No additional information available

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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
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### 14.1. UN number

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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### 14.2. UN proper shipping name

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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### 14.3. Transport hazard class(es)

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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### 14.4. Packing group

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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### 14.5. Environmental hazards

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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No supplementary information available

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### 14.6. Special precautions for user

Overland transport	Not applicable
Transport by sea	Not applicable
Air transport	Not applicable
Inland waterway transport	Not applicable
Rail transport	Not applicable

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

Not applicable

## SECTION 15: REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference code	Applicable on	Entry title or description
3(b)	LTP Ironwax Satin	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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### SECTION 16: OTHER INFORMATION

<b>Abbreviations and acronyms:</b>	
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE</b>	Acute Toxicity Estimate
<b>BCF</b>	Bioconcentration factor
<b>BLV</b>	Biological limit value
<b>BOD</b>	Biochemical oxygen demand (BOD)
<b>COD</b>	Chemical oxygen demand (COD)
<b>DMEL</b>	Derived Minimal Effect level
<b>DNEL</b>	Derived-No Effect Level
<b>EC-No.</b>	European Community number
<b>EC50</b>	Median effective concentration
<b>EN</b>	European Standard
<b>IARC</b>	International Agency for Research on Cancer
<b>IATA</b>	International Air Transport Association
<b>IMDG</b>	International Maritime Dangerous Goods
<b>LC50</b>	Median lethal concentration
<b>LD50</b>	Median lethal dose
<b>LOAEL</b>	Lowest Observed Adverse Effect Level
<b>NOAEC</b>	No-Observed Adverse Effect Concentration
<b>NOAEL</b>	No-Observed Adverse Effect Level
<b>NOEC</b>	No-Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>PNEC</b>	Predicted No-Effect Concentration
<b>RID</b>	Regulations concerning the International Carriage of Dangerous Goods by Rail
<b>SDS</b>	Safety Data Sheet
<b>STP</b>	Sewage treatment plant
<b>ThOD</b>	Theoretical oxygen demand
<b>TLM</b>	Median Tolerance Limit
<b>VOC</b>	Volatile Organic Compounds
<b>CAS-No.</b>	Chemical Abstract Service number
<b>N.O.S.</b>	Not Otherwise Specified
<b>vPvB</b>	Very Persistent and Very Bioaccumulative
<b>ED</b>	Endocrine disrupting properties

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Full text of H- and EUH-statements:	
<b>Acute Tox. 2 (Inhalation)</b>	Acute toxicity (inhal.), Category 2
<b>Acute Tox. 3 (Dermal)</b>	Acute toxicity (dermal), Category 3
<b>Acute Tox. 3 (Oral)</b>	Acute toxicity (oral), Category 3
<b>Acute Tox. 4 (Oral)</b>	Acute toxicity (oral), Category 4
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment — Acute Hazard, Category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment — Chronic Hazard, Category 1
<b>Eye Dam. 1</b>	Serious eye damage/eye irritation, Category 1
<b>Skin Corr. 1B</b>	Skin corrosion/irritation, Category 1, Sub-Category 1B
<b>Skin Irrit. 2</b>	Skin corrosion/irritation, Category 2
<b>Skin Sens. 1</b>	Skin sensitisation, Category 1
<b>Skin Sens. 1A</b>	Skin sensitisation, category 1A
<b>H301</b>	Toxic if swallowed
<b>H302</b>	Harmful if swallowed
<b>H311</b>	Toxic in contact with skin
<b>H314</b>	Causes severe skin burns and eye damage
<b>H315</b>	Causes skin irritation
<b>H317</b>	May cause an allergic skin reaction
<b>H318</b>	Causes serious eye damage
<b>H330</b>	Fatal if inhaled
<b>H400</b>	Very toxic to aquatic life
<b>H410</b>	Very toxic to aquatic life with long lasting effects

**Floors of Stone** believes the data set forth herein is accurate as of the data hereof. Floors of Stone makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.