



## SAFETY DATA SHEET Ironwax Satin

### 1. IDENTIFICATION OF PRODUCT & COMPANY

Product Name: **Ironwax Satin**

Details of company: Lionheart Terracotta Products  
Tone Industrial Estate  
Milverton Road  
Wellington  
Somerset  
TA21 0AN

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### 2. HAZARD IDENTIFICATION

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

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2 Label elements

Detergent mixture (see section 15)

In compliance with directives 67/548/EEC,1999/45/EC and their amendments.

Safety phrase:

S2 Keep out of reach of children.

#### 2.3 Other hazards

No data available.

### 3.COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n 1907/2006

#### 3.2 Mixtures

Identification	Name	Classification	%
INDEX 34590948	DIPROPYLENE GLYCOL MONOMETHYLIQUE ETHER		2.5<=x%<10
INDEX:007-001-01-2 CAS:1336-21-6 EC:215-647-6	AMMONIA SOLUTION...%	GHS05,GHS09,Dgr C,N H:314.1B-400 R:34-50 NOTA:B	0<=x%<2.5
INDEX:603-117-00-0 CAS:67-63-0 EC:200-661-7	PROPAN-2-OL	GHS02,GHS07,Dgr Xi,F H:225-319-336 R:11-36-67	0<=x%<2.5
INDEX:603-004-00-6 CAS:71-36-3 EC:200-751-6	N-BUTANOL	GHS02,GHS,05,GHS07,Dgr Xn H:226-302-335-315-318-336 R:10-37/38-41-67-22	0<=x%<2.5

# Ironwax Satin

## 4. FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

### 4.1 Description of first aid measures

#### In the event of swallowing:

Seek medical attention, showing label.

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

No data available.

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

## 5. FIRE FIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

### 5.2. Special hazards arising from substances or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.  
Do not breathe in smoke.

In the event of a fire, the following may be formed:

- nitrogen oxide (NO)
- nitrogen dioxide (NO<sub>2</sub>)

### 5.3. Advice for firefighters

No data available

## 6. ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 & 8.

#### For firefighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8)

### 6.2. Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

### 6.3. Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

## 7. HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the product is handled.

### 7.1. Precautions for safe handling

Always wash hands after handling.

#### Fire prevention:

Prevent access by unauthorised personnel.

#### Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

#### Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

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

No data available

#### Storage

Keep out of reach of children.

#### Packaging

Always keep in packaging made of an identical material to the original.

### 7.3. Specific end use(s)

No data available.

## Ironwax Satin

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Occupational Exposure limits:

-European Union (2009/161/EU,2006/15/EC,2000/39/EC,98/24/EC)

CAS	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm	Notes:
34590-94-8	308	50	-	-	Peau

-ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values,2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
34590-94-8	100ppm	150ppm	-	-	-
67-63-0	200ppm	400ppm	-	-	-
71-36-3	20 ppm	-	-	-	-

**-Germany-AGW(BAUA-TRGS 900,21/06/2010):**

CAS	VME:	VME:	Excess	Notes
34590-94-8	50 ml/m3	310 mg/m3	1(I)	DFG,EU
67-63-0	200 ml/m3	500 mg/m3	2(II)	DFG,Y
71-36-3	100 ml/m3	310 mg/m3	1(1)	DFG,Y

-France(INRS-ED984:2007 and French Order of 30/06/2004):

CAS	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
34590-94-8	50	308	-	-	*	84
67-63-0	-	-	400	980	-	84
71-36-3	-	-	50	150	-	84

#### 8.2.Exposure controls

##### Personal protection measures, such as personal protective equipment.

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from work area.

Never eat ,drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

##### -Eye/Face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes.

Before handling, wear safety goggles in accordance with standard EN166.

##### -Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended:

-Natural latex

-Nitrile rubber(butadiene-acrylonitrile copolymer rubber (NBR)

-PVC (polyvinyl chloride)

-Butyl Rubber (Isobutylene-isoprene copolymer)

##### -Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

### 9. PHYSICAL & CHEMICAL PROPERTIES

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

##### General information

Physical state: fluid liquid

##### Important health, safety and environmental information:

pH of the substance or preparation: neutral.

When a pH measure is possible,it has a value 7.5

Boiling point/boiling range not relevant

Flash point interval not relevant

Vapour pressure not relevant

Density >1

Water solubility Soluble

##### Other information:

Melting point/range not relevant

Self-ignition temperature not relevant

Decomposition point/decomposition range not relevant

#### 9.2 Other information

No data available.

# Ironwax Satin

## 10. STABILITY AND REACTIVITY

### 10.1.Reactivity

No data available

### 10.2.Chemical stability

The mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3.Possibility of hazardous reactions

No data available

### 10.4.Conditions to avoid

Avoid:

-frost

### 10.5.Incompatible materials

### 10.6.Hazardous decomposition products

The thermal decomposition may release/form:

-carbon monoxide (CO)

-carbon dioxide (CO<sub>2</sub>)

-nitrogen oxide (NO)

-nitrogen dioxide (NO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

2- butoxyethanol and its acetate are absorbed directly through the skin and have harmful affects on the blood

#### Mixture

No toxicological data available for the mixture.

## 12. ECOLOGICAL INFORMATION

### 12.1.Toxicity

#### Substances

No aquatic toxicity data available for the substances

#### Mixtures

No aquatic toxicity data available for the mixtures.

### 12.2.Persistence and degradability

No data available

### 12.3.Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6.Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1.Waste treatment methods:

Do not pour into drains or waterways.

#### Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment

#### Soiled packaging:

Empty container completely .Keep label(s) on container, Give to a certified disposal contractor.

## 14. TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ARD2009 – IMDG 2008 – ICAO/IATA 2011).

# Ironwax Satin

## 15. REGULATORY INFORMATION

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

#### –Particular provisions:

No data available.

#### Labelling for detergents (EC Regulation No 648/2004, 907/2006):

- Less than 5%: phosphates
- Less than 5%:non-ionic surfactants
- Perfumes
- Preservation agents
  - benzisothiazolinone
  - methylisothiazolinone

-allergenic fragrances:

amyl cinnamal

d-limonene

### 15.2. Chemical safety assessment

No data available

## 16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for any uses other than those specified in section 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not a guarantee of the properties thereof.

### Tilte for H, EUH and R indications mentioned in section 3:

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation.
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
R10	Flammable
R11	Highly flammable
R22	Harmful if swallowed
R34	Causes burns
R36	Irritating to eyes
R37/38	Irritating to respiratory system and skin
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness

#### Abbreviations:

ADR:European agreement concerning the international carriage of dangerous goods by Road.

IMDG:International Maritime Dangerous Goods.

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation.

RID:Regulation concerning the International carriage of Dangerous goods by rail.

WGK:Wassergefahrdungsklasse (Water Hazard Class).

*This data sheet is compiled to be of assistance but is without guarantee. Users are responsible for safe working.*