

**Safety Data Sheet**  
**according to Regulation (EC)**  
**No. 453/2010**



## 1. Identification of the Substance/Mixture and the Company/Undertaking

<b>1.1 Product Identifier</b>	04N266	<b>Revision Date:</b>	24/04/2015
<b>Product Name:</b>	NUPATCH COSMETIC FS B	<b>Supersedes Date:</b>	26/03/2015

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Mono-component industrial grouts, mortars and screeds.

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer:** USL  
Kingston House  
3 Walton Road  
Pattinson North  
Washington  
Tyne & Wear  
NE38 8QA  
Regulatory / Technical Information:  
+44(0)191 416 1530  
www.usluk.com

**Datasheet Produced by:** Norton, Catherine - info@usluk.com

**1.4 Emergency telephone number:** CHEMTREC +1 703 5273887 (Outside US)

## 2. Hazard Identification

### 2.1 Classification of the substance or mixture

**Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008**

This product is not classified as hazardous in accordance with EC Regulation 1272/2008/EC.

### 2.3 Other hazards

Not applicable

#### **Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

### 3. Composition/Information On Ingredients

#### 3.2 Mixtures

##### Hazardous Ingredients

<u>CAS-No.</u>	<u>EINEC No.</u>	<u>Name According to EEC</u>	<u>%</u>
1344-28-1	215-691-6	alumina oxide	2.5-10
13463-67-7		titanium dioxide	0.1-1.0
1310-66-3		lithium hydroxide, monohydrate	<0.1

<u>CAS-No.</u>	<u>REACH Reg No.</u>	<u>CLP Symbols</u>	<u>CLP Hazard Statements</u>	<u>M-Factors</u>
1344-28-1				
13463-67-7	01-2119489379-17			
1310-66-3		GHS05-GHS07	H302-314	

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

### 4. First-aid Measures

#### 4.1 Description of First Aid Measures

**GENERAL NOTES:** No Information

**AFTER INHALATION:** Move to fresh air.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person.

#### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No Information

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

### 5. Fire-fighting Measures

#### 5.1 Extinguishing Media:

Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

#### 5.2 Special hazards arising from the substance or mixture

No Information

#### 5.3 Advice for firefighters

No dangerous ingredients according to Regulation (EC) No. 1907/2006. In the event of fire, wear self-contained breathing apparatus. High volume water jet. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. None.

### 6. Accidental Release Measures

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

Avoid dust formation. Use personal protective equipment.

#### 6.2 Environmental precautions

No Information

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

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

## 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Avoid dust formation. Protect from moisture.

Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

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

**CONDITIONS TO AVOID:** No Information

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Ingredients with Occupational Exposure Limits  
(UK WELS)**

<u>Name</u>	<u>%</u>	<u>LTEL ppm</u>	<u>STEL ppm</u>	<u>STEL mg/m3</u>	<u>LTEL mg/m3</u>	<u>OEL Note</u>
alumina oxide		2.5-10			10 4	
titanium dioxide		0.1-1.0			4, 10	
lithium hydroxide, monohydrate		<0.1				

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** Effective dust mask.

**EYE PROTECTION:** Safety glasses.

**HAND PROTECTION:** Protective gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

**Chemical Name:**

titanium dioxide

**EC No.:****CAS-No.:**

13463-67-7

**DNELs - Derived no effect level**

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							700 mg/kg/d
Inhalation			10					
Dermal								

**PNEC' s - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	0.127
Fresh water sediments	1000
Marine water	1
Marine sediments	100
Food chain	1667
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	100
Air	

**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Grey Aggregate
<b>Physical State</b>	Solid
<b>Odor</b>	Slight
<b>Odor threshold</b>	Not determined
<b>pH</b>	11
<b>Melting point / freezing point (° C)</b>	Not determined
<b>Boiling point/range (° C)</b>	N.D. - N.D.
<b>Flash Point, (° C)</b>	Not Applicable
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not determined
<b>Upper/lower flammability or explosive limits</b>	20 - 30
<b>Vapour Pressure</b>	Not determined
<b>Vapour density</b>	Not determined
<b>Relative density</b>	Not determined
<b>Solubility in / Miscibility with water</b>	Fully miscible in water
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature (° C)</b>	Not determined
<b>Decomposition temperature (° C)</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined

**9.2 Other information**

VOC Content g/l:	0
Specific Gravity (g/cm3)	1.800

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

No Information

### 10.5 Incompatible materials

Do not store near acids.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

Oral LD50:

Inhalation LC50:

#### Irritation:

Cement is a severe eye irritant. Mild exposures can cause soreness. Gross, or untreated mild, exposures can lead to chemical burning and ulceration of the eye. Cement powder or any cement/water mixture may cause irritant contact dermatitis, allergic (chromium) dermatitis, and/or burns. The swallowing of small amounts of cement or any cement/water mixtures are unlikely to cause any significant reaction. Larger doses may result in irritation to the gastro intestinal tract.

#### Corrosivity:

No information available.

#### Sensitization:

No information available.

#### Repeated dose toxicity:

No information available.

#### Carcinogenicity:

No information available.

#### Mutagenicity:

No information available.

#### Toxicity for reproduction:

No information available.

#### STOT-single exposure:

No information available.

#### STOT-repeated exposure:

High repeated exposures to cement dust in excess of the WEL have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixtures than dry cement. Inhalation of the respirable fraction of silica sand may cause permanent damage to the lungs (silicosis). This is a reportable disease in the U.K.

#### Aspiration hazard:

Cement powder may cause inflammation of the mucous membranes.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	titanium dioxide	10000 mg/m3, oral (rat)	10000	

**Additional Information:**

This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

## 12. Ecological Information

**12.1 Toxicity:**

EC 50 48hr (Daphnia):	No information
IC50 72hr (Algae):	No information
LC 50 96hr (fish):	No information

**12.2 Persistence and degradability:** No information

**12.3 Bioaccumulative potential:** No information

**12.4 Mobility in soil:** No information

**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

**12.6 Other adverse effects:** LC50 aquatic toxicity rating has not been determined. The addition of cements to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstances.

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC 50 48hr</u>	<u>IC 50 72hr</u>	<u>LC 50 96hr</u>
1344-28-1	alumina oxide	No information	No information	
13463-67-7	titanium dioxide	No information	No information	
1310-66-3	lithium hydroxide, monohydrate	No information	No information	No information

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**European Waste Code:** No Information  
**Packaging Waste Code:** 150110

## 14. Transport Information

<b>14.1 UN number</b>	
<b>14.2 UN proper shipping name</b>	Not regulated for transport according to ADR/RID, IMDG, and IATA regulations.
<b>Technical name</b>	
<b>14.3 Transport hazard class(es)</b>	
<b>Subsidiary shipping hazard</b>	
<b>14.4 Packing group</b>	
<b>14.5 Environmental hazards</b>	
<b>14.6 Special precautions for user</b>	Not applicable
<b>EmS-No.:</b>	
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b>	Not applicable

## 15. Regulatory Information

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

#### National Regulations:

Denmark Product Registration Number:

Danish MAL Code:

Sweden Product Registration Number:

Norway Product Registration Number:

WGK Class:

#### Chemical Safety Assessment:

15.2 No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 16. Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

#### Reasons for revision

Changes have been made to Section 1 of the Safety Data Sheet (SDS). Please refer to the Identification information in Section 1 of this SDS.

#### List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark  
 ESIS (The European Chemical Substances Information System), provided by the European Commission  
 Joint Research Centre in Ispra, Italy  
 Annex VI of the EU Council Directive 67/548/EEC  
 Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC  
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of  
 substances and mixtures (CLP Regulation)  
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

#### Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m <sup>3</sup>	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists

OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.



**Safety Data Sheet**  
**according to Regulation (EC)**  
**No. 453/2010**



## 1. Identification of the Substance/Mixture and the Company/Undertaking

<b>1.1 Product Identifier</b>	04N200	<b>Revision Date:</b>	24/04/2015
<b>Product Name:</b>	NUPATCH COSMETIC GREY	<b>Supersedes Date:</b>	26/03/2015

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Mono-component industrial grouts, mortars and screeds.

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer:** USL  
Kingston House  
3 Walton Road  
Pattinson North  
Washington  
Tyne & Wear  
NE38 8QA  
Regulatory / Technical Information:  
+44(0)191 416 1530  
www.usluk.com

**Datasheet Produced by:** Norton, Catherine - info@usluk.com

**1.4 Emergency telephone number:** CHEMTREC +1 703 5273887 (Outside US)

## 2. Hazard Identification

### 2.1 Classification of the substance or mixture

**Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008**

This product is not classified as hazardous in accordance with EC Regulation 1272/2008/EC.

### 2.3 Other hazards

Not applicable

#### **Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

### 3. Composition/Information On Ingredients

#### 3.2 Mixtures

##### Hazardous Ingredients

<u>CAS-No.</u>	<u>EINEC No.</u>	<u>Name According to EEC</u>	<u>%</u>
13463-67-7		titanium dioxide	1.0-2.5
1310-66-3		lithium hydroxide, monohydrate	<0.1

<u>CAS-No.</u>	<u>REACH Reg No.</u>	<u>CLP Symbols</u>	<u>CLP Hazard Statements</u>	<u>M-Factors</u>
13463-67-7	01-2119489379-17			
1310-66-3		GHS05-GHS07	H302-314	

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

### 4. First-aid Measures

#### 4.1 Description of First Aid Measures

**GENERAL NOTES:** No Information

**AFTER INHALATION:** Move to fresh air.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person.

#### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No Information

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

### 5. Fire-fighting Measures

#### 5.1 Extinguishing Media:

Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

#### 5.2 Special hazards arising from the substance or mixture

No Information

#### 5.3 Advice for firefighters

No dangerous ingredients according to Regulation (EC) No. 1907/2006. In the event of fire, wear self-contained breathing apparatus. High volume water jet. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. None.

### 6. Accidental Release Measures

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

Avoid dust formation. Use personal protective equipment.

#### 6.2 Environmental precautions

No Information

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

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

## 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Avoid dust formation. Protect from moisture.

Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

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

**CONDITIONS TO AVOID:** No Information

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Ingredients with Occupational Exposure Limits (UK WELS)**

Name	%	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3	OEL Note
titanium dioxide		1.0-2.5			4, 10	
lithium hydroxide, monohydrate		<0.1				

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** Effective dust mask.

**EYE PROTECTION:** Safety glasses.

**HAND PROTECTION:** Protective gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

#### Chemical Name:

titanium dioxide

#### EC No.:

#### CAS-No.:

13463-67-7

#### DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							700 mg/kg/d
Inhalation			10					
Dermal								

#### PNEC' s - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.127
Fresh water sediments	1000
Marine water	1
Marine sediments	100
Food chain	1667
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	100
Air	

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Grey Aggregate
Physical State	Solid
Odor	Slight
Odor threshold	Not determined
pH	11
Melting point / freezing point (° C)	Not determined
Boiling point/range (° C)	N.D. - N.D.
Flash Point, (° C)	Not Applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	20 - 30
Vapour Pressure	Not determined
Vapour density	Not determined
Relative density	Not determined
Solubility in / Miscibility with water	Fully miscible in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (° C)	Not determined
Decomposition temperature (° C)	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

### 9.2 Other information

VOC Content g/l:	0
Specific Gravity (g/cm <sup>3</sup> )	1.800

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

No Information

### 10.5 Incompatible materials

Do not store near acids.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute Toxicity:****Oral LD50:****Inhalation LC50:****Irritation:**

Cement is a severe eye irritant. Mild exposures can cause soreness. Gross, or untreated mild, exposures can lead to chemical burning and ulceration of the eye. Cement powder or any cement/water mixture may cause irritant contact dermatitis, allergic (chromium) dermatitis, and/or burns. The swallowing of small amounts of cement or any cement/water mixtures are unlikely to cause any significant reaction. Larger doses may result in irritation to the gastro intestinal tract.

**Corrosivity:**

No information available.

**Sensitization:**

No information available.

**Repeated dose toxicity:**

No information available.

**Carcinogenicity:**

No information available.

**Mutagenicity:**

No information available.

**Toxicity for reproduction:**

No information available.

**STOT-single exposure:**

No information available.

**STOT-repeated exposure:**

High repeated exposures to cement dust in excess of the WEL have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixtures than dry cement. Inhalation of the respirable fraction of silica sand may cause permanent damage to the lungs (silicosis). This is a reportable disease in the U.K.

**Aspiration hazard:**

Cement powder may cause inflammation of the mucous membranes.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	titanium dioxide	10000 mg/m3, oral (rat)	10000	

**Additional Information:**

This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

## 12. Ecological Information

**12.1 Toxicity:****EC50 48hr (Daphnia):**

No information

**IC50 72hr (Algae):**

No information

**LC50 96hr (fish):**

No information

**12.2 Persistence and degradability:**

No information

**12.3 Bioaccumulative potential:**

No information

**12.4 Mobility in soil:**

No information

**12.5 Results of PBT and vPvB assessment**

The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

**12.6 Other adverse effects:**

LC50 aquatic toxicity rating has not been determined. The addition of cements to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstances.

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
13463-67-7	titanium dioxide	No information	No information	
1310-66-3	lithium hydroxide, monohydrate	No information	No information	No information

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**European Waste Code:** No Information

**Packaging Waste Code:** 150110

## 14. Transport Information

- 14.1 UN number**
- 14.2 UN proper shipping name** Not regulated for transport according to ADR/RID, IMDG, and IATA regulations.
- Technical name**
- 14.3 Transport hazard class(es)**
- Subsidiary shipping hazard**
- 14.4 Packing group**
- 14.5 Environmental hazards**
- 14.6 Special precautions for user** Not applicable
- EmS-No.:**
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** Not applicable

## 15. Regulatory Information

**15.1 Safety, health and environmental regulations/legislation for the substance or mixture:**

**National Regulations:**

**Denmark Product Registration Number:**

**Danish MAL Code:**

**Sweden Product Registration Number:**

**Norway Product Registration Number:**

**WGK Class:**

**Chemical Safety Assessment:**

**15.2** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 16. Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.

### Reasons for revision

This is a new Safety Data Sheet (SDS).

### List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark  
 ESIS (The European Chemical Substances Information System), provided by the European Commission  
 Joint Research Centre in Ispra, Italy  
 Annex VI of the EU Council Directive 67/548/EEC  
 Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC  
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)  
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

### Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m <sup>3</sup>	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions

and recommendations are not followed.





**Safety Data Sheet**  
**according to Regulation (EC)**  
**No. 453/2010**



## 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier**                      04N210                      **Revision Date:**                      24/04/2015  
**Product Name:**                      NUPATCH COSMETIC WHITE                      **Supersedes Date:**                      26/03/2015
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**                      Mono-component industrial grouts, mortars and screeds.
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer:**                      USL  
Kingston House  
3 Walton Road  
Pattinson North  
Washington  
Tyne & Wear  
NE38 8QA  
Regulatory / Technical Information:  
+44(0)191 416 1530  
www.usluk.com
- Datasheet Produced by:**                      Norton, Catherine - info@usluk.com
- 1.4 Emergency telephone number:**                      CHEMTREC +1 703 5273887 (Outside US)

## 2. Hazard Identification

- 2.1 Classification of the substance or mixture**
- Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008**
- This product is not classified as hazardous in accordance with EC Regulation 1272/2008/EC.
- 2.3 Other hazards**
- Not applicable
- Results of PBT and vPvB assessment:**
- The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

### 3. Composition/Information On Ingredients

#### 3.2 Mixtures

##### Hazardous Ingredients

<u>CAS-No.</u>	<u>EINEC No.</u>	<u>Name According to EEC</u>	<u>%</u>
1344-28-1	215-691-6	alumina oxide	2.5-10
13463-67-7		titanium dioxide	0.1-1.0
1310-66-3		lithium hydroxide, monohydrate	<0.1

<u>CAS-No.</u>	<u>REACH Reg No.</u>	<u>CLP Symbols</u>	<u>CLP Hazard Statements</u>	<u>M-Factors</u>
1344-28-1				
13463-67-7	01-2119489379-17			
1310-66-3		GHS05-GHS07	H302-314	

**Additional Information:** The text for CLP Hazard Statements shown above (if any) is given in Section 16.

### 4. First-aid Measures

#### 4.1 Description of First Aid Measures

**GENERAL NOTES:** No Information

**AFTER INHALATION:** Move to fresh air.

**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off with soap and plenty of water.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses.

**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person.

#### Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No Information

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

### 5. Fire-fighting Measures

#### 5.1 Extinguishing Media:

Alcohol Foam, Carbon Dioxide, Dry Chemical, Water Fog

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

#### 5.2 Special hazards arising from the substance or mixture

No Information

#### 5.3 Advice for firefighters

None. No dangerous ingredients according to Regulation (EC) No. 1907/2006. In the event of fire, wear self-contained breathing apparatus. High volume water jet. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 6. Accidental Release Measures

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

Avoid dust formation. Use personal protective equipment.

#### 6.2 Environmental precautions

No Information

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

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

## 6.4 Reference to other sections

**FURTHER INSTRUCTIONS:** Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Avoid dust formation. Protect from moisture.

Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

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

**CONDITIONS TO AVOID:** No Information

**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Ingredients with Occupational Exposure Limits  
(UK WELS)**

<u>Name</u>	<u>%</u>	<u>LTEL ppm</u>	<u>STEL ppm</u>	<u>STEL mg/m3</u>	<u>LTEL mg/m3</u>	<u>OEL Note</u>
alumina oxide		2.5-10			10 4	
titanium dioxide		0.1-1.0			4, 10	
lithium hydroxide, monohydrate		<0.1				

**FURTHER ADVICE:** Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified at the EU level under the dangerous substances and preparations regulation.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** Effective dust mask.

**EYE PROTECTION:** Safety glasses.

**HAND PROTECTION:** Protective gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

**Chemical Name:**

titanium dioxide

**EC No.:****CAS-No.:**

13463-67-7

**DNELs - Derived no effect level**

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							700 mg/kg/d
Inhalation			10					
Dermal								

**PNEC' s - Predicted no effect concentration**

Environmental protection target	PNEC
Fresh water	0.127
Fresh water sediments	1000
Marine water	1
Marine sediments	100
Food chain	1667
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	100
Air	

**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	White Aggregate
<b>Physical State</b>	Solid
<b>Odor</b>	Slight
<b>Odor threshold</b>	Not determined
<b>pH</b>	11
<b>Melting point / freezing point (° C)</b>	Not determined
<b>Boiling point/range (° C)</b>	N.D. - N.D.
<b>Flash Point, (° C)</b>	Not Applicable
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not determined
<b>Upper/lower flammability or explosive limits</b>	20 - 30
<b>Vapour Pressure</b>	Not determined
<b>Vapour density</b>	Not determined
<b>Relative density</b>	Not determined
<b>Solubility in / Miscibility with water</b>	Fully miscible in water
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature (° C)</b>	Not determined
<b>Decomposition temperature (° C)</b>	Not determined
<b>Viscosity</b>	Not determined
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined

**9.2 Other information**

VOC Content g/l:	0
Specific Gravity (g/cm3)	1.800

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

No Information

### 10.5 Incompatible materials

Do not store near acids.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

Oral LD50:

Inhalation LC50:

#### Irritation:

Cement is a severe eye irritant. Mild exposures can cause soreness. Gross, or untreated mild, exposures can lead to chemical burning and ulceration of the eye. Cement powder or any cement/water mixture may cause irritant contact dermatitis, allergic (chromium) dermatitis, and/or burns. The swallowing of small amounts of cement or any cement/water mixtures are unlikely to cause any significant reaction. Larger doses may result in irritation to the gastro intestinal tract.

#### Corrosivity:

No information available.

#### Sensitization:

No information available.

#### Repeated dose toxicity:

No information available.

#### Carcinogenicity:

No information available.

#### Mutagenicity:

No information available.

#### Toxicity for reproduction:

No information available.

#### STOT-single exposure:

No information available.

#### STOT-repeated exposure:

High repeated exposures to cement dust in excess of the WEL have been linked with rhinitis and coughing. Skin exposure has been linked to allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixtures than dry cement. Inhalation of the respirable fraction of silica sand may cause permanent damage to the lungs (silicosis). This is a reportable disease in the U.K.

#### Aspiration hazard:

Cement powder may cause inflammation of the mucous membranes.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.  
Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	titanium dioxide	10000 mg/m3, oral (rat)	10000	

**Additional Information:**

This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

## 12. Ecological Information

**12.1 Toxicity:**

EC 50 48hr (Daphnia):	No information
IC50 72hr (Algae):	No information
LC 50 96hr (fish):	No information

**12.2 Persistence and degradability:** No information

**12.3 Bioaccumulative potential:** No information

**12.4 Mobility in soil:** No information

**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

**12.6 Other adverse effects:** LC50 aquatic toxicity rating has not been determined. The addition of cements to water will, however, cause the pH to rise and may therefore be toxic to aquatic life in some circumstances.

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC 50 48hr</u>	<u>IC 50 72hr</u>	<u>LC 50 96hr</u>
1344-28-1	alumina oxide	No information	No information	
13463-67-7	titanium dioxide	No information	No information	
1310-66-3	lithium hydroxide, monohydrate	No information	No information	No information

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**European Waste Code:** No Information  
**Packaging Waste Code:** 150110

## 14. Transport Information

<b>14.1 UN number</b>	
<b>14.2 UN proper shipping name</b>	Not regulated for transport according to ADR/RID, IMDG, and IATA regulations.
<b>Technical name</b>	
<b>14.3 Transport hazard class(es)</b>	
<b>Subsidiary shipping hazard</b>	
<b>14.4 Packing group</b>	
<b>14.5 Environmental hazards</b>	
<b>14.6 Special precautions for user</b>	Not applicable
<b>EmS-No.:</b>	
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b>	Not applicable

## 15. Regulatory Information

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

#### National Regulations:

Denmark Product Registration Number:

Danish MAL Code:

Sweden Product Registration Number:

Norway Product Registration Number:

WGK Class:

#### Chemical Safety Assessment:

15.2 No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 16. Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

#### Reasons for revision

This is a new Safety Data Sheet (SDS).

#### List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark  
 ESIS (The European Chemical Substances Information System), provided by the European Commission  
 Joint Research Centre in Ispra, Italy  
 Annex VI of the EU Council Directive 67/548/EEC  
 Council Directive 67/548/EEC - Annex I or EU Council Directive 1999/45/EC  
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of  
 substances and mixtures (CLP Regulation)  
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"

#### Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
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EINECS	European Inventory of Existing Chemical Substances
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