



# Safety data sheet

According to regulation (EC) 1907/2006, 453/2010

Revision date: April 2013

Product name: Latex skin

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

### 1.1 Product identifier

Trade name: Latex skin

1.2 Relevant identified uses of the substance or mixture and uses advised against Use of the Substance/Mixture: Raw material. Industrial use.

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

Company: Esprit Composite  
22, Rue Gassendi  
F-75014 Paris  
France  
Telephone: Tel: +33 1 4044 4797  
Telefax: Fax: +33 1 4044 4951  
Website: www.espritcomposite.com  
E-mail: contact@espritcomposite.fr

### 1.4 Emergency telephone number:

NHS Direct England or Wales: +44 0845 4647  
NHS 24 Scotland (UK only): +44 08454 242424

## **SECTION 2. Hazards identification**

### 2.1 Classification of the substance or mixture

**Classification (67/548/EEC, 1999/45/EC)**

This mixture is not classified as dangerous according to Directive 1999/45/EC.

### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008)**

**Labeling according to EC Directives (1999/45/EC)**

In accordance with Directive 1999/45/EC, the product does not need to be classified nor labeled.

### 2.3 Other hazards

Natural Rubber

May produce an allergic reaction.

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## **SECTION 3. Composition/information on ingredients**

### 3.2 Mixtures

Chemical nature: Natural rubber dispersion

Hazardous components:

Chemical name	CAS No. EC No. Registration number	Classification (67/548/CEE)	Classification (Regulation (EC) No 1272/2008)	Concentration (%)
Rubber, natural	9006-04-6 232-689-0			>= 60 - <= 61
Water	7732-18-5 231-791-2			>= 38 - <= 39
Ammonia, aqueous solution	1336-21-6 215-647-6 01-2119488876-14-XXXX	C; R34 N; R50	Skin Corr. 1B; H314 Aquatic Acute 1; H400	< 1

For explanation of abbreviations see section 16.



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## **SECTION 4. First aid measures:**

### 4.1 Description of first aid measures

General advice:

Get medical attention if symptoms occur.

Show this safety data sheet to the doctor in attendance.

If inhaled:

Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact:

Wash off immediately with soap and plenty of water. Remove contaminated clothing. If irritation develops, get medical attention.

In case of eye contact:

Wash contaminated clothing before reuse. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

If swallowed:

Do NOT induce vomiting.

Drink plenty of water.

Never give anything by mouth to an unconscious person.

Get medical attention if symptoms occur.

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

Symptoms:

Ingestion may provoke the following symptoms:

Nausea

Repeated or prolonged exposure may cause irritation of eyes and skin.

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

Treatment:

No information available.

## **SECTION 5. Fire fighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media:

Not combustible.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

No information available.

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

Specific hazards during firefighting:

In case of fire and/or explosion do not breathe fumes.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear suitable protective equipment.

In the event of fire, wear self-contained breathing apparatus.

Further information:

The product itself does not burn.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6. Accidental release measures**

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

Personal precautions:

Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions:

The product should not be allowed to enter drains, water courses or the soil.

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



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Methods for cleaning up:

Prevent further leakage or spillage if safe to do so.  
 Large spills should be collected mechanically (remove by pumping) for disposal.  
 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
 Pick up and transfer to properly labeled containers.  
 Clean contaminated floors and objects thoroughly while observing environmental regulations.  
 Dispose of in accordance with local regulations.

## 6.4 Reference to other sections

For personal protection:

see section 8.

## **SECTION 7. Handling and storage**

### 7.1 Precautions for safe handling

Advice on safe handling:

Wear personal protective equipment.  
 For personal protection see section 8.  
 Avoid inhalation, ingestion and contact with skin and eyes.

Advice on protection against fire and explosion:

Do not use in areas without adequate ventilation.

Hygiene measures:

Smoking, eating and drinking should be prohibited in the application area.

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

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage:

Keep in properly labeled containers.

direct sunlight.

Store between 5 and 35 °C in a dry, well ventilated place away from sources of heat, ignition and

Other data:

Do not freeze.

### 7.3 Specific end use(s)

Specific use(s):

Consult the technical guidelines for the use of this substance/mixture.

## **SECTION 8. Exposure controls/personal protection**

### 8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Ammonia, aqueous solution	1336-21-6	TWA	20 ppm 14 mg/m <sup>3</sup>	2010	IOELV (EU)
		STEL	50 ppm 36 mg/m <sup>3</sup>	2010	IOELV (EU)

### **Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

**Ammonia, aqueous solution:**

End Use: Workers

Exposure routes: Skin contact

Potential health effects: Short term, Systemic toxicity  
68 mg/kg

End Use: Workers

Exposure routes: Inhalation



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Potential health effects: Short term, Systemic toxicity

Value: 47.6 mg/m<sup>3</sup>

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Short term, Local effects

Value: 36 mg/m<sup>3</sup>

End Use: Workers

Exposure routes: Skin contact

Potential health effects: Long term, Systemic toxicity

68 mg/kg

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long term, Systemic toxicity

Value: 47.6 mg/m<sup>3</sup>

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long term, Local effects

Value: 14 mg/m<sup>3</sup>

End Use: Consumers

Exposure routes: Skin contact

Potential health effects: Short term, Systemic toxicity

68 mg/kg

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Short term, Systemic toxicity

Value: 23.8 mg/m<sup>3</sup>

End Use: Consumers

Exposure routes: Ingestion

Potential health effects: Short term, Systemic toxicity

6.8 mg/kg

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Short term, Local effects

Value: 7.2 mg/m<sup>3</sup>

End Use: Consumers

Exposure routes: Skin contact

Potential health effects: Long term, Systemic toxicity

68 mg/kg

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long term, Systemic toxicity

Value: 23.8 mg/m<sup>3</sup>

End Use: Consumers

Exposure routes: Ingestion

Potential health effects: Long term, Systemic toxicity

6.8 mg/kg

End Use: Consumers

Exposure routes: Inhalation

Potential health effects: Long term, Local effects

Value: 2.8 mg/m<sup>3</sup>

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:**



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## Ammonia, aqueous solution:

Fresh water  
Value: 0.0011 mg/l  
Marine water  
Value: 0.0011 mg/l  
Intermittent use/release  
Value: 0.0068 mg/l

## 8.2 Exposure controls

Engineering measures:

Ensure adequate ventilation, especially in confined areas.

## Personal protective equipment

Eye protection:

Safety glasses with side-shields conforming to EN166  
Protective gloves complying with EN 374.

Hand protection:

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection:

Wear suitable protective clothing.

Skin should be washed after contact.

Remove and wash contaminated clothing before re-use.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory protection complying with EN 141.

Hygiene measures:

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Protective measures:

Ensure that eye flushing systems and safety showers are located close to the working place.

## Environmental exposure controls

General advice:

The product should not be allowed to enter drains, water courses or the soil.

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	liquid
Color:	white
Odor:	ammoniacal
Odor Threshold:	no data available
pH:	10-11
Melting point/freezing point:	no data available
Boiling point/boiling range:	ca 100 °C
Flash point:	not applicable
Evaporation rate:	no data available
Flammability (solid, gaz):	the product is not flammable
Upper explosion limit:	Not applicable
Lower explosion limit:	Not applicable
Relative vapor density:	no data available
Density:	0.95-0.96
Bulk density:	not determined
Water solubility:	insoluble Completely miscible in all proportions
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not applicable



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Thermal decomposition:

No data available

Viscosity, dynamic

50-100 mPas

Explosive properties:

Not applicable

Oxidizing properties:

no data available

9.2 Other information:

No information available

## **SECTION 10. Stability and reactivity**

### 10.1 Reactivity

Reactivity:

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Chemical stability:

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions:

None known.

### 10.4 Conditions to avoid

Conditions to avoid:

Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Materials to avoid:

None known.

### 10.6 Hazardous decomposition products

Hazardous decomposition products:

No decomposition if stored and applied as directed. In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## **SECTION 11. Toxicological information**

### 11.1 Information on toxicological effects

#### **Information on toxicological effects**

No data is available on the product itself. The product contains no substances known to be hazardous to health in concentrations which need to be taken into account. Natural Rubber, May produce an allergic reaction.

#### **Components:**

##### **Ammonia, aqueous solution:**

**Acute oral toxicity:**

LD50 Oral: 350 mg/kg, rat

**Skin corrosion/irritation:**

Causes severe skin burns.

**Serious eye damage/eye irritation:**

Severe eye irritation

**Respiratory or skin sensitization:**

Does not cause skin sensitization.

**Genotoxicity in vitro:**

Ames test, In vitro tests did not show mutagenic effects

**Carcinogenicity:**

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

**Reproductive toxicity:**

Fertility and developmental toxicity tests did not reveal any effect on reproduction.

**STOT - single exposure:**

Exposure routes: Inhalation

Target Organs: Respiratory system

Assessment: May cause respiratory irritation.

## **SECTION 12. Ecological information**

### 12.1 Toxicity

#### **Product:**

Ecotoxicology Assessment

Acute aquatic toxicity:

No data is available on the product itself.



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Chronic aquatic toxicity:

No data is available on the product itself.

**Components:**

**Ammonia, aqueous solution:**

Toxicity to fish:

LC50: 0.8 mg/l, 96 h, Fish, Very toxic to aquatic organisms.

Toxicity to daphnia and other aquatic invertebrates:

EC50: 24.4 mg/l, 48 h, Daphnia magna (Water flea), Very toxic to aquatic organisms.

12.2 Persistence and degradability

**Product:**

Biodegradability:

No data available

**Components:**

**Rubber, natural:**

Biodegradability:

Expected to be biodegradable

12.3 Bioaccumulative potential

**Product:**

Bioaccumulation:

Bioaccumulation is unlikely.

**Components:**

**Rubber, natural:**

Bioaccumulation:

Bioaccumulation is unlikely.

12.4 Mobility in soil

**Product:**

Distribution among environmental compartments:

No data available

12.5 Results of PBT and vPvB assessment

**Product:**

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

**Product:**

This product has no known eco-toxicological effects.

## **SECTION 13. Disposal considerations**

13.1 Waste treatment methods

Product:

In accordance with local and national regulations.

The product should not be allowed to enter drains, water courses or the soil.

Waste water from subsequent processing should be given appropriate treatment in line with local regulations.

Contaminated packaging:

In accordance with local and national regulations.

## **SECTION 14. Transport information**

14.1 UN number

Not dangerous goods

14.2 UN proper shipping name

Not dangerous goods

14.3 Transport hazard class(es)

Not dangerous goods

14.4 Packing group

Not dangerous goods

14.5 Environmental hazards



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Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## **SECTION 15. Regulatory information**

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

Water contaminating class (Germany):

WGK 1 slightly water endangering

Classification according VwVwS, Annex 4.

Other regulations:

This mixture is not classified as dangerous according to Directive 1999/45/EC.

This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

Not applicable

## **SECTION 16. Other information**

**Full text of R-Phrases**

R34:

Causes burns.

R50:

Very toxic to aquatic organisms.

**Full text of H-Statements**

H314:

Causes severe skin burns and eye damage.

H400:

Very toxic to aquatic life.

**Full text of other abbreviations**

Aquatic Acute:

Acute aquatic toxicity

Skin Corr.:

Skin Corrosion

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.