

Safety information sheet

According (EC) No. 1907/2006 (REACH),
Annex II, (EU) No. 453/2010

Version 2
Revision date: June 2014
Chapters:

Product name : Graffi Coat 102

1. Identification of the substance or preparation and the company.

1.1 Product identification

Product : Graffi Coat 102
Product code : 3185

1.2 Relevant use or advice against using

Application of the substance : One component moisture curing PU coating for professional use

1.3 Supplier product and MSDS : Tensid Uk Ltd
Aquila House, Wheatash Road, Addlestone, Surrey KT15 2ES

1.4 Information on emergencies

Telephone : 01932 564133

2. Identification of the possible dangers and risk's

2.1 Classification of the substance or mixture according to (EC) No. 1272/2008 [CLP/GHS] B/V/C

Product definition: Mixture
Irritating liquid

Classification according to the EC directives 1999/45/EC this product is classified as irritating



Xi, irritating

R 43

Classification: physical/chemical danger: see section 16 for the full text of the R and H phrases mentioned above.
See Chapter 11 for information on health effects and symptoms.

2.2 Elements of hazard pictogram (s):

Labelling signal word : Warning
Danger risk assessment: Irritating
Prevention : Prevent contact with the eyes and skin

Firefighting: fire extinguishing with water spray, powder or carbon dioxide.
Storage: store in well-ventilated and cool place
Removal: remove Waste according to local, regional and national regulations.

2.2 Other dangers: react with water

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3. Composition and information concerning composing materials

Dangerous materials

Substance	Cas number	EG-Nr/ registration number	Reach registration no.	Classification	Concentration
Hexamethylene diisocyanate	822-06-0	212-485-8		T 23-36/37/38-42/43	< 0,5 %
aliphatic polyisocyanate	28182-81-2	500-060-2		Xi43	> 85 %

All percentages are weight/weight

Complete text of R and H sentences, see chapt. 16.

(*) Corposants with occupational limits for the workplace see chapt. 8.

4. First aid measures

4.1 First aid measures

When in doubt, consult a doctor or persistent phenomena in General. Never administer anything by mouth to an unconscious person.

For further directions see section 11 (toxicological data).

On inhalation

Remove to fresh air and keep warm. At irregular or stopped breathing, apply artificial respiration. Place person in recovery position and if unconsciousness seek medical advice immediately.

Skin contact

Remove contaminated clothing immediately. Wash thoroughly with SOAP and water and rinse thoroughly with water. Do not use solvents or thinners.

On eye contact

remove contact lenses, eyelids open and rinse for at least 15 minutes and consult physician. Continue rinsing during transport.

If swallowed,

Rinse mouth with water (spitting out!). Do not induce vomiting. Contact physician immediately.

4.2 Description symptoms and effects, acute and delayed.

4.3 Measures to be taken immediately and special treatment.

5. Firefighting measures

5.1 Suitable extinguishers

Suitable extinguishers : Alcohol resistant foam CO2 powder or water mist.

DO NOT apply : Powerful water jet

Dangerous rest products : On fire thick black smoke will form, this can be noxious or poisonous if inhaled.

Personal protection : A self-containing breathing apparatus and protective clothing may be necessary.

5.2 Additional data

General : Cool containers near the fire with running water.

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5. Firefighting measures

5.4 Directions for firefighters

Preventive measures : Cool containers near the fire with running water.
Personal protective means : A self-containing breathing apparatus and protective clothing may be necessary
Additional information : Not known

6. Measures in the event of unforeseen outflow

6.1 Measures, protective gear and procedures

For non-responders : Remove sources of ignition or shut them down and ventilate the room. Do not inhale fumes and vapors. See section 7 and 8 for measures
For professional staff : A self-containing breathing apparatus and protective clothing may be necessary.

6.2 Protection environment

Measures : Prevent the product from entering waterways, soil and sewers.

6.3 Cleaning spilled material

Cleaning : Contain the outflow of product and absorb the material in sand or another suitable material.
Place in a container for further disposal.

6.4 Other sections for consult

Sections for consult) : Section 1 contact on emergencies.
Section 8 for personal protection.
Section 13 for disposal.

7. Handling and stocking

7.1 Information for safe handling:

Information for safe handling : Prevent eye and skin contact. Do not inhale vapors and mist. No smoking, do not eat or drink in the room where the product is used.
On normal use the product is not flammable, only on special occasion the product dust explosions can occur.

7.2 Information for storing

Information for storing : Keep container closed. Never use compressed air to empty the packing.
Re-close the container after use and store in an upright position preventing leakage.
Prevent contact with strong acid's and alkaline materials.
Store in original packing on a cool dark and well ventilated place.

7.3 Additional information : Not known

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8. Exposure limits and personal protection

8.1 Exposure limits

General

Use sufficient ventilation. If possible an exhaust system or room ventilation. Prevent contact with eyes and skin.

Exposure limit

Substance	Cas number	EG-Nr/ registration number	Kind / update.	Value	Value 15 minutes
Hexamethylene diisocyanate	822-06-0	212-485-8	TLV	0,035 mg/m ³	0,07 mg/m ³

Personal protection



If exposed to concentrations exceeding TLV use gasmask fitted with filter type A, brown, organic vapours



Use gloves to prevent skin contact.
Material: Butyl rubber or Viton, permeation time > 4 hours.



Wear tight safety goggles and/or face mask. (EN 166) : Face screen.



Use protective clothing, coverall, rubber boots and gloves

9. Physical and chemical properties

9.1 General

Physical state : liquid
Colour : colourless opaque
Odour : typical
pH : n.a.

Physical properties

Melting point : no data
Boiling point : decomposes > 200° C
Flash point : no data
Ignition temp. : > 200° C
Explosion hazard : mixtures of vapour and air are combustible
Lower expl. limit : no data
Upper expl limit : no data
Vapour pressure : < 0,001 kPa/20° C
Density : 1,13 g/m³
Miscibility with water : not miscible
Viscosity mPas/20° C : no data
Volatile organics : < 100 g/ltr VOC

9.2 Additional information

Non known

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10. Stability and reactivity

10.1 Reactivity	: No information known
10.2 Chemical stability	: Stable under normal circumstances
10.3 Dangerous reactions	: No known reactions
10.4 Circumstances to avoid	: High temperatures
10.5 Materials to avoid	: Strong oxidizers, acids and alkaline products
10.6 Dangerous rest-products	: No known rest products

11. Toxicological information

Acute toxicity

The substance can be taken in by breathing the vapour, aerosol, mist and by ingestion.
The product is mild irritating and may cause headache and irritation of the upper respiratory track.

LD 50 en LC 50 values

LD 50 oral rat	>5000 mg/kg
LC 50 skin rabbit	No data
LC 50 inhalation rat 4 hours	No data

Primary symptoms

On skin contact

Irritation and redness.

On eye contact

Red, pain, blurred vision.

On inhaling

Shortness of breath, sickness and nausea

Sensitisation

Prolonged contact may cause skin rash.

12. Environmental information

12.1 Eco toxic effects

There is no data available concerning this product.
The product is classified according the European directive (1999/54/EG) and is not an environmental hazard.

12.2 Biodegradability

There is no information available concerning this product.

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13. Instructions for disposal

General

Reuse or recycling of waste is strongly recommended.
Any landfilling or incineration, in accordance with local rules and legislation.
Keep waste separated, depending on any impurities as industrial waste or hazardous waste.

Uncleaned packaging

Non-cleaned packaging in accordance with local regulations.
Keep waste separated, depending on any impurities as industrial waste or hazardous waste

14. Information on transportation

Transport is not regulated

<p>IATA</p> UN number : Description of the goods : Class : Packing group : Label :	<p>IMDG</p> UN number : Description of goods : Class : packing group : LabelB : EMS number 1 : EMS number 2 : Marine pollution :
<p>ADR</p> UN number : Description of goods : Class : packing group : classification code : Hazard Identification N ° : Labels :	<p>RID</p> UN number : Description of goods : Class : packing group : classification code : hazard identification N ° : Labels : Environmentally hazardous:
<p>Additional information</p>	<p>Passenger en freight air flight</p> <p>Freight</p> <p>Passenger/freight</p>

14.6 Special measures

Transport in original packing, firmly closed and in upright position.
Transport dangerous substances by trained personnel in right transportation means equipped with adequate gear.

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15. Regulations

Specific safety, health and environmental regulations and legislation for the substance or mixture.
This safety data sheet complies with the requirements of Regulation (EC) number 1907/2006.

National legislation
Water polluting Class : No data
(Germany) : No data
Chemical safety assessment : not required

16. Other regulations

Full text of R-phrases referred to in sections 2 and 3

R 42/43	May cause sensitization by inhalation and skin contact.
R 36/37/38	Irritating to eyes, respiratory system and skin.
S 24	Avoid contact with skin.
S 61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S 51	Use only in well-ventilated areas.
P 91	This product contains iso cyanates follow the instructions of the manufacturer

The above data is based on our current knowledge and are in accordance with the national legislation and the legislation of the EC. Data above are an indication of the composition and the risks associated with the use of the product. Tensid UK Ltd accepts no liability for the functioning of the product, or for the results obtained from use of the product and for any damage caused by application of the product, or damage that is caused by incompleteness in the information. The user is at all times responsible for the use of the product and the information and the quality and the properties prior to use of the product. Without the prior written consent this product may not be used for any other purposes other than those specified under chapter 1.