

	<b>MATERIAL SAFETY DATA SHEET</b>	Revision nr:
		Date: May 2000
		Supersedes:
	<b>Graffi Coat 102</b>	<b>3185</b>

## 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Company identification:** tensid uk ltd  
Aquila House, 70a Wheatash Rd  
Addlestone  
Surrey KT15 2ES United Kingdom  
Tel: 01932 564133

**Product code:** 3185  
**Trade name:** Graffi Coat 102  
**Use:** Anti-graffiti paint

## 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name:	CASE No.	Content.	Health.	Risk.
Hexamethylene-1, 6-diisocyanate:	822-06-0	0.5%	T	23, 36/37/38, 42/43
Aliphatic polyisocyanate:	28182-81-2	85%	Xi	43

## 3 HAZARDS IDENTIFICATION

Contains isocyanates. May cause sensitisation by skin contact.

## 4 FIRST AID MEASURES

**Eye contact:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids, continue to rinse for at least 15 minutes. Get medical attention if discomfort persists.

**Skin contact:** Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation.

**Inhalation:** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion:** Remove victim immediately from source of exposure. Get medical attention.

## 5 FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water, foam, carbon dioxide, and dry power.  
In a fire, hazardous decomposition products such as smoke, carbon dioxide, carbon monoxide, oxides of nitrogen and hydrogen cyanide may be produced. Appropriate self contained breathing apparatus may be required. Cool Closed containers exposed to fire with water spray. Do not allow run off from the fire fighting or into water courses.

## 6 ACCIDENTAL RELEASE MEASURES

**Spill Cleanup Methods:** Contain and collect spillages with non combustible, absorbent materials, e.g. sand, earth, vermiculite and place in a suitable container. Allow this to stand for several days in an open Container until no further reactions occur. Once this stage is reached, close the container and dispose of in accordance with Local Authority regulations.

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## 7 HANDLING AND STORAGE

**Usage Precautions:** Avoid inhalation of vapour and spray mist.  
**Storage Precautions:** Keep in cool, dry, ventilated storage and closed containers.

## 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ingredient Name:	Ref:	Value:	Unit:
Hexamethylene-1, 6-diisocyanate	8 hr TWA	0.035	mg/m <sup>3</sup>
Aliphatic polyisocyanate	8 hr TWA	-	mg/m <sup>3</sup>

### Protective Equipment:



**Respirators:** Air fed respiratory equipment should be worn when this product is sprayed. Unprotected people should be excluded from the area if exposure is possible.

**Protective Gloves:** Use protective gloves.

**Eye Protection:** Use approved safety goggles or face shield.

**Other Protection:** Wear appropriate clothing to prevent any possibility of skin contact.

**Hygienic work Practices:** DO NOT SMOKE IN WORK AREA. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of the skin. No eating or drinking while working with this material.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Colour:</b>	Opaline
<b>Odour/taste:</b>	Almost none
<b>Density:</b>	ca. 1.23 – 1.24 g/cm <sup>3</sup>
<b>Ph value:</b>	-
<b>Flash point:</b>	>150°C
<b>Explosion limits:</b>	-
<b>Viscosity:</b>	ca.100 sec at 23°(DIN 4/53211)
<b>Solubility in water:</b>	Reaction
<b>Boiling point:</b>	Not measurable (decomposition begins)
<b>Melting point:</b>	Not measured
<b>Vapour pressure:</b>	Not measured

## 10 STABILITY AND REACTIVITY

**Stability:** Normally stable.

**Conditions to avoid:** Keep away from oxidising agents and strongly alkaline and strongly acidic materials. Uncontrolled exothermic reactions occur with amines and alcohols. The product reacts slowly with water Resulting in evolution of carbon dioxide. In closed containers, pressure build up could result in distortion, blowing and extreme bursting of the container.

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## 11 TOXOLOGICAL INFORMATION

**Acute toxicity:** LD<sub>50</sub> oral > 5000 mg/kg rat

Based on the properties of the isocyanate content of this product, respiratory exposure may cause acute irritation And/or sensitisation of the respiratory system, resulting in asthmatic symptoms, wheezing and a tightness of the Chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanate well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability.

## 12 ECOLOGICAL INFORMATION

**Ecological information:** Do not allow to enter soil, waterways or sewers.

## 13 DISPOSAL CONSIDERATIONS

**Disposal Method:** Dispose of in accordance with Local Authority requirements. Residues in emptied containers should be neutralised with decontaminant: water (45 parts by volume)/ethanol or isopropanol (50 parts )/concentrated (d:0.88) ammonia solution (5 parts).

## 14 TRANSPORT INFORMATION

Not classified as hazardous for Transport.

## 15 REGULATORY INFORMATION



**Label for supply:**

**Risk Phrases:** R43 – May cause sensitisation by skin contact.

**Safety Phrases:** S24 - Avoid contact with skin.

P92 – Contains isocyanates

## 16 OTHER INFORMATION

**Revision Date:** May 2000  
**SDS. No.** 3185

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC

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