

	MATERIAL SAFETY DATA SHEET	Revision nr:
		Date: May 2002
		Supersedes:
	Graffi Coat 101 (Activator)	3171

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: 3171
Trade name: Graffi Coat 101 (Activator)
Use: Anti-graffiti paint

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name:	EINECS No.	CAS No.	Contents	Symbol	Risk
Aliphatic Polyisocyanate:		28182-81-2	60-100%	Xi	43
2-Methoxy-1-Methylethyl Acetate:	203-603-9	108-65-6	1-5%	Xi	10, 36

The full text for all R-phrases are shown in section 16.

Composition Comments: A content of less than 0.1% by weight hexamethylene-di-isocyanate is below the product classification threshold as defined by EU directives on hazardous substances.

3 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact.

4 FIRST AID MEASURES

Eye contact: Remove victim immediately from source of exposure. 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 and get medical attention.

Skin contact: Remove affected person from source of contamination. Get medical attention if discomfort continues.

Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion: Get medical attention immediately! Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING.

5 FIRE-FIGHTING MEASURES

Extinguishing Media: Fire can be extinguished using: Carbon dioxide (CO2). Foam. Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

	MATERIAL SAFETY DATA SHEET	Revision nr:
		Date: May 2002
		Supersedes:
	Graffi Coat 101 (Activator)	3171

6 ACCIDENTAL RELEASE MEASURES

Spill Cleanup Methods: Clean-up personnel should use respiratory and/or liquid contact protection.

7 HANDLING AND STORAGE

Usage Precautions: Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

Storage Precautions: Keep in cool, dry, ventilated storage and closed containers.

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ingredient Comments: MEL = Maximum Exposure Limit.

Protective Equipment:



Ventilation: Provide sufficient ventilation during operations which cause vapour formation.

Respirators: Respiratory protection required in sufficiently ventilated working areas and during spraying. An air-fed mask for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Protective Gloves: Use protective gloves made of: Polyvinyl alcohol (PVA). Viton rubber (fluor rubber).

Other Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour 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. Use appropriate skin cream to prevent drying of skin. 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

Appearance: Liquid
Colour: Yellowish
Odour/taste: Mild (or faint)
Solubility description: Miscible with water
Specific gravity (Water = 1) 1.17@20°C

10 STABILITY AND REACTIVITY

Stability: Exothermic reaction with amines and alcohols; reacts slowly with water forming CO₂, in closed containers risk of bursting owing to increase of pressure.

Conditions to avoid: Avoid excessive heat for prolonged periods of time.

Materials to avoid: Strong oxidizing agents. Strong acids. Strong Alkali's. Amines. Alcohols.

Hazardous decomp. Products: Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO), Carbon dioxide (CO₂). Nitrous gases (NO_x). Hydrogen cyanide (HCN).

	MATERIAL SAFETY DATA SHEET	Revision nr:
		Date: May 2002
		Supersedes:
	Graffi Coat 101 (Activator)	3171

11 TOXOLOGICAL INFORMATION

Toxicological information: 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 isocyanates well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability. Persons exposed to isocyanate containing products are subject to appropriate health surveillance. Employees should be provided with a copy of the HSE pocket card containing information on isocyanate spray paints.

Health Hazards, General: This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

Route of entry: Inhalation. Ingestion.

12 ECOLOGICAL INFORMATION

BIO Accumulation: Not known
 Degradability: Not known

13 DISPOSAL CONSIDERATIONS

Waste disposal Method: Recover and reclaim or recycle. Dispose of in accordance with Local Authority requirements.

14 TRANSPORT INFORMATION

Not classified as hazardous for Transport.

15 REGULATORY INFORMATION

Label for Supply:



Rick Phrases: R-43 May cause sensitisation by skin contact.
Safety Phrases: P-4 Contains isocyanates. See information supplied by the Manufacturer.
 S-23A Do not breathe gas/fumes/vapour/spray.
 S-24 Avoid contact with skin.
 S-37 Wear suitable gloves.

	MATERIAL SAFETY DATA SHEET	Revision nr:
		Date: May 2002
		Supersedes:
	Graffi Coat 101 (Activator)	3171

S-51 Use only in well ventilated areas.
S-60 This material and its container must be disposed of as hazardous waste.

UK Regulatory References: Petroleum (Consolidation) Act, as amended 1984 SI 1244
Highly Flammable Liquid Regulations 1972.

UK Environmental Listings: Rivers (Prevention of Pollution) Act 1961
Control of Pollution (Special Waste Regulations) Act 1980

EC Directives: System of specific information relating to Dangerous Preparations. 91/55.

Approved code of Practice: Classification and Labelling of Substances and Preparations Dangerous for supply.

Guidance Notes: Occupational Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG(108)

16 OTHER INFORMATION

User Notes: Mix ratio – Base 4100mls. Activator 900mls. Revised in accordance with CHIP 3

Information Sources: Dangerous Properties of Industrial Materials Report, N.Sax et.al.

Revision Comments: New issue supersedes all SDS prior to April 2002.

Revision Date: 05/2002

Revision No./Replaces SDS Issued: Replaces SDS dated 03/2000

SDS No: 10127

R-Phrases (Full text): R-10 Flammable
R-36 Irritating to eyes
R-43 May cause sensitisation by skin contact.

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

DISCLAIMER OF LIABILITY: The information in this msds was obtained from sources which we believe to be reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This msds was prepared and is to be used only for this product. If the product is used as a component in another product, this msds information may not be applicable.

End of document