

MATERIAL: TECHSIL® POLYURETHANE PIGMENT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1	Product Name:	Techsil® PU Pigment
1.2	Product Use:	Colouring of PU systems
1.3	Supplier:	Techsil Ltd 34 Bidavon Industrial Estate Waterloo Road Bidford on Avon Warwickshire B50 4JN Tel: +44(0)1789 773232 Fax: +44(0)1789 774239 Email: sales@techsil.co.uk
1.4	Emergency Telephone:	+44(0)7971 228794

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the Substance or Mixture: Classification (EC 1272/2008)	
	Physical hazards	Not classified
	Health hazards	Not classified
	Environmental hazards	Not classified
	Environmental	The product is not expected to be hazardous to the environment
2.2	Label Elements:	
	Hazard statements	NC Not classified
2.3	Other Hazards:	
	This product does not contain any substances classified as PBT or vPvB.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1	Substances:	-
3.2	Mixtures:	This product contains no hazardous ingredients in accordance with the latest EC Directives

SECTION 4: FIRST AID MEASURES

4.1	Description of First Aid Measures:	
	General information	No specific recommendations. If in doubt, get medical attention promptly.
	Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
	Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
	Skin contact	Remove affected person from source of contamination. Get medical attention if irritation persists after washing.
	Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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4.2 Most Important Symptoms and Effects, both Acute and Delayed:

No specific symptoms noted

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed:

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media:

Extinguish with the following media: Alcohol-resistant foam. Water spray, fog or mist. Carbon dioxide (CO₂). Small fires: Dry chemicals, soda ash, lime.

5.2 Special Hazards Arising from the Substance or Mixture:

Specific hazards

Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

Hazardous combustion products

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3 Advice for Firefighters:

Protective actions during firefighting

Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discolouration of the container. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off, if not contaminated may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard.

6.2 Environmental Precautions:

Do not discharge into drains or watercourses or onto the ground.

6.3 Methods and Material for Containment and Cleaning-Up:

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4 Reference to Other Sections:

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

7.2 Conditions for Safe Storage, Including and Incompatibilities:

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

7.3 Specific End Use(s):

The identified uses for this product are detailed in Section 1.2.

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SECTION 8: HANDLING AND STORAGE

8.1 Control Parameters:

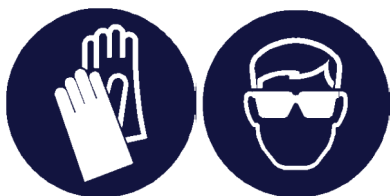
No exposure limits known for ingredient(s).

VORANOL CP6001 (CAS: 9082-00-2)

No exposure limits known for ingredient(s).

8.2 Exposure Controls:

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance	Coloured paste
Colour	Variable
Odour	Sweetish
pH	Not applicable
Melting point	No information available
Initial boiling point and range	>100°C @ 760 mm Hg
Flash point	>182°C CC (Closed cup).

9.2 Other Information:

No information required

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Stable at normal ambient temperatures and when used as recommended.

10.2 Chemical Stability:

Stable at normal ambient temperatures

10.3 Possibility of Hazardous Reactions:

Will not polymerise

10.4 Conditions to Avoid:

Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidising agents. Avoid contact with the following materials: Water, moisture.

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10.5 Incompatible Materials:

Strong oxidising agents. Strong acids. The reaction of polyols and isocyanates generates heat. Isocyanates.

10.6 Hazardous Decomposition Products:

Decomposition products depend upon temperature, air supply and the presence of other materials.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Toxicological effects	Not toxic
Acute and chronic health hazards	No specific health hazards known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Not considered toxic to fish

Ecotoxicity

Not regarded as dangerous for the environment.

12.2 Persistence and Degradability:

The product is readily biodegradable

12.3 Bioaccumulative Potential:

The product is not bioaccumulating

12.4 Mobility in Soil:

Not considered mobile

12.5 Results of PBT and vPvB Assessment:

This product does not contain any substances classified as PBT or vPvB.

12.6 Other Adverse Effects:

Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number:

Not applicable

14.2 UN Proper Shipping Name:

Not applicable

14.3 Transport Hazard Class(es):

Not applicable

14.4 Packing Group:

Not applicable

14.5 Environmental Hazards:

No.

14.6 Special Precautions for User:

Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health & Environmental Regulations/Legislation Specific for the Substance or Mixture:

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG228.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

DISCLAIMER

This 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 other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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