

Superdots - permanent

Product Identification	
Ultra Tak	A blend of synthetic polymers modified with blends of synthetic and natural resins and synthetic and natural waxes and oils, anti-oxidants and stabilisers.

Physical and Chemical Properties	
Appearance:	Solid
Colour:	Translucent yellow
Odour:	Slight
Softening Point:	Ca. 89 °C according to norm NFT 76-106
Decomposition Temperature:	>250 °C
Flash Point:	>250 °C
Ignition Temperature:	>300 °C
Bulk Density:	Ca. 0.95 g/ml (at 20 °C)
Solubility:	Not miscible with water: miscible with chlorinated solvents, aromatic hydrocarbons

Composition / Information on Components	
Hazardous components:	NONE

Health Hazards	
Main Hazards:	Using the product in a hot state. Generally considered harmless in a cold state
Specific Risks:	Skin contact with hot products will cause burns
Main Symptoms:	Skin lesions

First-Aid Measures	
As Solid:	Skin: Wash hands Eyes: Treat as an inert particle. Irrigate with water Oral: Minimal toxicity
As Melt:	Skin: Affected area should be plunged into cold water immediately and left until burning sensation subsides. If no tap is available near-by have a bucket of clean, cold water available. Move fingers (if coated with hot melt) to prevent a tourniquet effect as it cools. Do not remove the adhesive when molten as it can remove the skin to quite a depth, leaving a raw wound. Even when solid, remove with care as the above may still occur. If difficult to remove, with medical approval, olive oil or liquid paraffin should be soaked into a cotton wool pad and placed over the affected area. This will slowly soften the adhesive into the pad. When the hot melt is removed, treat as a normal burn or scald.
As Fumes:	Eyes: irrigate with cold water. Seek medical attention immediately Inhalation of fumes. Remove to fresh air. Treat any irritation symptomatically. Call a doctor as required

Stability and Reactivity	
Stability:	Good
Hazardous decomposition Products:	In case of fire or overheating: carbon Dioxide

No liability is accepted for any injury, loss, damage or cost arising directly or indirectly from the use of any information contained within this Material Health and Safety Sheet since the customer's treatment of the product is necessarily out of control.

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Fire Hazards	
Conditions to Avoid:	Overheating, especially by direct contact with naked flame, electrical sparks, and static discharge
Danger Signs:	Excessive fumes from overheating the adhesive
Recommended Fire Fighting Practice:	If a fire does occur, a dry chemical powder or CO ₂ extinguisher, sand or earth should be used. Water should not be allowed to come into contact with molten hot melt, adhesives. Water fog or foam must only be used to douse any surrounding material – not the fire itself- to control large fires. Although not classified as flammable, hot melts will burn in the event of a small fire. As with all organic materials, the combustion products will include toxic gases (eg: carbon monoxide) therefore inhalation of the fumes must be avoided

Storage Precautions	
General:	Store in a clean dry place away from direct sunlight or sources of direct heat. Keep hot melt in original containers to avoid contamination with moisture and other foreign bodies. Keep containers closed.
Storage conditions:	One year under normal ambient conditions: 15 – 35 °C, dust free, not sensitive to frost

Transport Information	
Hazards:	This product is not dangerous according to the prescribed transport regulations
UN Number:	GGVS/GGVE RID/ADR IDMG ICAO/IATA GGVSEE DGR

Exposure Control / Personal Protection	
Respiratory Protection:	Use efficient exhaust ventilation to remove vapours from hot product
Hand Protection:	Use safety gloves while in contact with hot product
Eye Protection:	Use safety goggles while using hot product
Other Protective Clothing/Equipment:	Full body protection against hot/molten product
Personal Precautions:	When likely to be in contact with this product in a hot, molten state, employees should be provided with impervious gloves, arms protection, safety goggles and a face shield
Environmental Precautions:	Recover spilled product when cold
Spillage control:	Allow the adhesive to fully cool and then transfer to suitable container for disposal in accordance with Local Authority regulations.
Toxicological Information:	No adverse effects have been recorded

Spillage And Disposal Precautions	
Solid:	This presents little hazard.
Disposal:	Dump in approved land fill or by controlled incineration in accordance with Local Authority regulations
General:	Stable under the recommended storage and handling conditions.
Ecological:	As this product is not soluble in water it does not alter, as a general rule, biological, physical or chemical properties of water.

Other Information	
Other Information	The normal handling and safety precautions for the use of adhesives must be observed

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