

**COSHH**

**BENECAS T “ADVANCED”**

**Benefoot UK Ltd**

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# COSHH

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

<b>ITEM</b>	BENECAS "ADVANCED"		
<b>GENERAL CHEMICAL CHARACTERISTIC</b>	POLYESTER KNIT COATED WITH POLYURETHANE RESIN		
<b>ANALYSIS OF NOXIOUSNESS</b>	CHRONIC EXPOSURE & CONTACT MAY CAUSE NOXIOUSNESS		
<b>USAGE</b>	IMMOBILIZATION FOR FRACTURED BODY		
<b>REVISION DATE</b>	MARCH 06, 2006	<b>REVISION NO.</b>	0

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

<b>NAME</b>	<b>TRADE NAME / SYNONYMS</b>	<b>CAS NO OR I.D NO</b>	<b>CONTENT (%)</b>
NC-3000	ISOCYANATE-TERMINATED POLYURETHANE	-	66% ±3
POLYESTER KNIT	DTY YARN FOR TEXTILE	-	34% ± 3

### 3. HAZARDS IDENTIFICATION

#### NECESSARY INFORMATION IN EMERGENCY

<b>POTENTIAL HEALTH EFFECTS</b>	<b>EYE</b>	CURED CAST MAY CAUSE INJURY PHYSICALLY. RESIN MAY CAUSE IRRITATION.
	<b>SKIN</b>	MAY STICK TO SKIN BEFORE CURED. ALLERGIC SENSITIZATION MAY OCCUR.
	<b>INHALATION</b>	RESPIRATORY SENSITIZATION MAY OCCUR. ADDITIONAL EFFECTS MAY INCLUDE COUGH, WHEEZE AND DYSPNOEA.
	<b>INGESTION</b>	NO INFORMATION IN AVAILABLE.
	<b>CHRONIC EFFECTS</b>	NO INFORMATION IN AVAILABLE.
	<b>SIGNS &amp; SYMPTOMS</b>	NO INFORMATION IS AVAILABLE.

### 4. FIRST AID MEASURES

<b>EYE CONTACT</b>	WHEN RESIN COMES IN CONTACT WITH EYES, WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE, UNTIL NO EVIDENCE OF CHEMICAL REMAINS. (AT LEAST 15~20 MINUTES) GET MEDICAL ATTENTION IMMEDIATELY.
<b>SKIN CONTACT</b>	WHERE RESIN HAS COME IN CONTACT WITH SKIN, IT CAN BE REMOVED USING ACETONE OR ALCOHOL PRIOR TO SETTING.
<b>INHALATION</b>	ADMINISTRATION OF A BRONCHODILATOR IF NECESSARY. KEEP PERSON WARM AND REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.
<b>INGESTION</b>	IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO HELP PREVENT ASPIRATION. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. GET MEDICAL ATTENTION IF NEEDED.
<b>NOTE TO PHYSICIAN</b>	NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY AND SUPPORTIVELY.

<b>5. FIRE FIGHTING MEASURES</b>					
<b>FLASH POINT</b>	> 200 °C	<b>AUTOIGNITION</b>	NO DATA AVAILABLE	<b>LOWER/UPPER FLAMMABLE LIMIT</b>	NO DATA AVAILABLE
<b>FRAMABLE CLASS</b>	NO DATA AVAILABLE				
<b>EXTINGUISHING MEDIA</b>	DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM.				
<b>FIRE FIGHTING</b>	USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING HAZARDOUS VAPORS. KEEP UPWIND.				
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HIGHLY TOXIC FUMES OF HYDROGEN CYANIDE, TOXIC OXIDE OF CARBON AND NITROGEN, AND HAZARDOUS ISOCYANATES.				

<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>NECESSARY POINTS TO PROTECT HUMAN BODY</b>	USE DISPOSABLE GLOVES TO AVOID BEING STAINED WITH RESIN. AS BENE CAST/BENE FLEX IS LIGHTWEIGHT, PATIENTS SHOULD BE CAUTIONED AGAINST UNDUE ACTIVITIES THAT WOULD AFFECT THE CAST INTEGRITY AND THEIR HEALING.
<b>NECESSARY POINTS TO PROTECT ECOLOGY</b>	SEGREGATED COLLECTION TO BURN UP BY USING INCINERATOR.
<b>DEFECATION OR REMOVE</b>	WHERE RESIN HAS COME IN CONTACT WITH SKIN, IT CAN BE REMOVED USING ACETONE OR ALCOHOL PRIOR TO SETTING.

<b>7. HANDLING &amp; STORAGE</b>	
<b>HANDLING</b>	DISPOSABLE GLOVES SHOULD BE WORN WHILE HANDLING THE TAPE, AS THE POLYURETHANE RESIN WILL ADHERE TO SKIN OR TO COLTHING.
<b>STORAGE</b>	RECOMMENDED TO STORE IN A COOL, DRY AREA. STORAGE AT HIGH TEMPERATURE OR EXPOSURE TO SUNLIGHT WILL AFFECT THE SHELF LIFE.

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<b>8. INFORMATION OF PERSONAL PROTECTION &amp; EXPOSURE CONTROL</b>			
<b>ENGINEERING CONTROL</b>	NO DATA AVAILABLE.		
<b>RESPIRATION PROTECTION</b>	RECOMMENDED VENTILATION FACILITIES OR PREPARING SELF-CONTAINED BREATHING APPARATUS. DURING CUTTING CASTING TAPE BY CAST SAW, DUST MAY OCCUR. IT IS NOT HARMFUL TO HUMAN BODY BUT RECOMMEND USING MASK.		
<b>EYE PROTECTION</b>	NO DATA AVAILABLE	<b>HAND PROTECTION</b>	DISPOSABLE GLOVE
<b>BODY PROTECTION</b>	APPROPRIATE IMPERVIOUS GARMENT.		
<b>CAUTIONS</b>	DO NOT USE WARM OR HOT WATER. THAT MAY CAUSE A BURN BY GENERATING TOO MUCH HEAT WHILE CASTING TAPE TURNS HARD.		
<b>MAX. CONCENTRATION</b>	NO DATA AVAILABLE		

<b>9. PHYSICAL / CHEMICAL CHARACTERISTICS</b>			
<b>APPEARANCE</b>	KNITTED FABRIC COATED WITH STICKY RESIN		
<b>ODOR</b>	A UNIQUE, WEAK ODOR		
<b>PH</b>	NO DATA AVAILABLE	<b>WATER SOLUBILITY</b>	REACT
<b>BOILING POINT</b>	NO DATA AVAILABLE	<b>MELTING POINT</b>	NO DATA AVAILABLE
<b>EXPLOSION</b>	NO DATA AVAILABLE	<b>OXIDATIVE</b>	NO DATA AVAILABLE
<b>VAPOR PRESSURE</b>	NO DATA AVAILABLE	<b>SPECIFIC GRAVITY</b>	1.12 @25 °C
<b>DISTRIBUTION</b>	NO DATA AVAILABLE	<b>VAPOR DENSITY</b>	NO DATA AVAILABLE
<b>VISCOSITY</b>	NO DATA AVAILABLE	<b>MOLECULAR WEIGHT</b>	NO DATA AVAILABLE

<b>10. STABILITY &amp; REACTIVITY</b>	
<b>CHEMICAL STABILITY</b>	STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.
<b>CONDITIONS TO AVOID</b>	IF CASTING TAPE IS EXPOSED TO WATER OR MOISTURE IN ATMOSPHERE BEFORE USING, UNDESIRABLE HARDENING WILL OCCUR.
<b>SUBSTANCES TO AVOID</b>	OXIDIZERS (STRONG)
<b>HAZARDOUS DECOMPOSITION</b>	HAZARDOUS DECOMPOSITION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.
<b>POLYMERIZATION</b>	HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

<b>11. TOXICOLOGICAL INFORMATION</b>			
<b>INFLUENCE TO EYE</b>	RESIN MAY CAUSE IRRITATION WITH LACHRYMATION.		
<b>INFLUENCE TO SKIN</b>	ISOCYANATES MAY CAUSE IRRITATION WITH SKIN CONDITIONS RANGING FROM ITCHING TO WIDESPREAD ECZEMA. ALLERGIC SENSITIZATION IS POSSIBLE, BUT ONLY RARELY.		
<b>ACUTE ORAL</b>	NO DATA AVAILABLE	<b>ACUTE SUCTION</b>	NO DATA AVAILABLE
<b>TOXICITY OF GENERATION</b>	NO DATA AVAILABLE	<b>CHRONIC</b>	NO DATA AVAILABLE

<b>12. ECOLOGICAL INFORMATION</b>	
<b>ECOLOGICAL CONTAMINANT</b>	AIR <input type="checkbox"/> WATER <input type="checkbox"/> SOIL <input type="checkbox"/> MARINE <input type="checkbox"/>
<b>TRANSFER TO SOIL</b>	NO DATA AVAILABLE
<b>DEGRADABILITY &amp; PERSISTENCY</b>	NO DATA AVAILABLE
<b>BIOCONCENTRATION POSSIBILITY</b>	NO DATA AVAILABLE

<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>WASTE DISPOSAL REGULATION</b>	OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN DISPOSING OF THIS SUBSTANCE.
<b>WASTE DISPOSAL METHOD</b>	RECOMMEND TO BURN UP AT AN INCINERATOR OR A TRASH BURNER

<b>14. TRANSPORTATION INFORMATION</b>	
<b>REGULATION &amp; CLASSIFICATION BY ICAO / IATA, ADR, RID</b>	NO DATA AVAILABLE IT IS NOT IN THE DANGEROUS MATERIALS.
<b>CAUTIONS WHEN TRANSPORT</b>	KEEP TEMPERATURE NOT TOO HIGH

<b>15. REGULATORY INFORMATION</b>	
<b>SARA HAZARD CATEGORIES</b>	-
<b>TSCA (TOXIC SUBSTANCE CONTROL ACT)</b>	-
<b>OTHERS</b>	-

<b>16. OTHER INFORMATION</b>	
<b>SOURCE OF THE INFORMATION</b>	KOREA INDUSTRIAL SAFETY COOPERATION MSDS OF RAW MATERIALS.

※ OUR COSHH DOES NOT COVER ANY DISPUTE.  
PLEASE CONTACT US FOR FURTHER INFORMATION.

