## Tel (815)774-6500 Fax (815) 774-6546 For Emergency: Chemtrec (800) 424-9300

MATERIAL SAFETY DATA SHEET						
1	PRODUCT	TILE BOND Roof Tile Adhesiv	/e			
2	COMPOSITION					
		0.1.0. <i>"</i>				
	CHEMICAL	<u>CAS#</u>	CONCENTRATION	REGULATED_		
	4,4-Diphenylmethane-	101-68-8	10-30%	Yes		
	diisocyanate (MDI)	001/ 07 0	10.20%	Vac		
	Polymeric MDI	9016-87-9 Mixture	10-30% 15-40%	Yes		
	Polyether Poly Blend Chlorodifluoromethane	Mixture_ 75-45-6	15-40%	No		
	Polymeric Colorant	Trade Secret	< 5%	Yes No		
		Hade Secret	< 378	NO		
	(1-see regulatory section for more informati	on)				
	2-different raw material sources) Appearance: Off white, sticky material with a mild odor.					
2	Appearance: Off white, stic HAZARDS IDENTIFICATION	cky material with a mild odor.				
3	HAZARDS IDENTIFICATION		CALITIONIL Contonts under	r proceuro		
		Irritancy of Product	CAUTION! Contents under pressure.			
	HMIS: H F R PPE	-		Irritating to eyes, skin and respiratory tract. May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and or		
	2 1 0		5			
			allergies may aggravate e	xisting conditions. Symptoms		
			may include: coughing, wl	neezing and shortness of breath.		
		Routes of Entry	Eye and skin contact, inha	alation, ingestion.		
4	FIRST AID MEASURES					
	EYE flush with clean, low pressure water for 15 minutes while holding eyelids open.					
	SKIN remove contaminated clothing; wash skin with soap and water. INHALATION remove to fresh air.					
		INGESTION in case of excessi	sive ingestion, give large amount of liquids. Do not			
		induce vomiting.				
5	FIRE-FIGHTING MEASURES	~				
			:: >200°F (>93.3°C) (estim			
			Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water ecial Protective Equipment: Self Contained Breathing Apparatus			
			-			
	Haz	ardous Decomposition Products:	Carbon Dioxide, Nitrogen			
			and trace amounts of Hyd			
			given off.			
6	ACCIDENTAL RELEASE MEAS	SURES				
			Provide adequate ventilat	ion.		
			Wear suitable personal pr	otective clothing and equipment.		
				spill and put into a suitable		
			•	spreading the spill to other		
				vaste and set in a safe place.		
			Dispose of entire containe	er after foam is fully cured.		
7	HANDLING AND STORAGE					
			Protect containers from p	hysical abuse.		
			Avoid direct sunlight			
			Storage temperature: 32	F-120°F (0°-49°C)		
	Descend by M. U		DO NOT incinerate.			
1	Prepared by: M. Herosy		Reference No. TILE BONE	ROOT LIE Adhesive		
	File Name: CON-137		Date of Issue: 2/98		g. 1 of 2)	

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION EYE wear safety goggles. SKIN wear protective clothing.					
SKIN wear protective clothing.					
	SKIN wear protective clothing.				
RESPIRATORY use only in well-ventilated area					
With insufficient ventilation, wear Self Contai	ined				
Breathing Apparatus.					
9 PHYSICAL AND CHEMICAL PROPERTIES					
Vapor Pres. (21°C/70°F): 4000mmHg					
Specific Gravity: 1.3	Specific Gravity: 1.3				
VOC Content (lb/gal): 0	VOC Content (lb/gal): 0				
10 STABILITY AND REACTIVITY					
Stable under normal handling and use. Avoid	d water				
contamination, open flames, alcohols, strong	bases,				
acids and ammonia. Reaction may be violent	t at				
elevated temperatures.	elevated temperatures.				
11 TOXICOLOGICAL INFORMATION					
Concentrations of components (Sec.2) must	Concentrations of components (Sec.2) must be				
considered to determine effects of this mixt	ure.				
MDI: LD50 15gm/kg (rat); ingestion	MDI: LD50 15gm/kg (rat); ingestion				
CAUTION! Contents under pressure.					
Irritancy of Product: Irritating to eyes, skin and respiratory tract.					
Sensitizing Properties: May cause sensitization by skin contact and	inhalation.				
(Acute and Chronic) Exposure to individuals with asthma, eczema	and or				
allergies may aggravate existing conditions.					
may include: coughing, wheezing and shortne	ess of breath.				
Routes of Entry: Eye and skin contact, inhalation, ingestion.					
ECOLOGICAL INFORMATION					
13 DISPOSAL INFORMATION					
	Do not puncture or incinerate.				
Relieve all pressure prior to disposal.	h				
Empty cylinders, once relieved of all pressure	e, can be				
disposed as non-hazardous waste.	1				
Dispose of leftover chemical by following ins	tructions				
under "Accidental Release Measures".					
4 TRANSPORTATION INFORMATION Compressed gases, N.O.S., (Nitrogen, Chlorodifluoromethane), 2.2 UN1956					
				15 REGULATORY INFORMATION	
EXPOSURE LIMITS TWA (8 hour), mg/m_ SHORT TERM(10 mins), mg/m_					
4,4-Diphenylmethane- 0.05 (0.005ppm) .2 (0.02ppm) ceiling					
diisocyanate (MDI)					
Chlorodifluoromethane 3500 (1000ppm)					
REGULATED CHEMICAL APPLICABLE REGULATIONS					
4,4-Diphenylmethane- SARA 311/312/313, CAA 1990 Toxic Air Pollutant					
diisocyanate (MDI)					
Chlorodifluoromethane SARA 311/312/313, Canada, MA, NJ, PA					
PMDI SARA 313					
16 OTHER INFORMATION					
	This product is a polyurethane blend in the form of a solution in liquid				
containing by weight 50% or more polymer.					
Prepared by: M. Herosy Reference No. TILE BOND Roof Tile Adhesi					
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