Tel (815) 741-6800 Fax (815) 741-6822 For Emergency: Chemtrec (800) 424-9300

1	PRODUCT FROTH-PAK 1	120 (A Component)		
	PRODUCT FROTH-PAK 12.0 (A Component)			
2	COMPOSITION			
	OUENNOAL	0.4.0.1/		DECUMATED.
	CHEMICAL	<u>CAS#</u>	CONCENTRATION 40.70%	REGULATED_
	4,4-Diphenylmethane- diisocyanate (MDI)	101-68-8	40-70%	Yes
	Polymeric MDI	9016-87-9	40-70%	Yes
	Chlorodifluoromethane	75-45-6	7-13%	Yes
	(1-see regulatory section for more information) (2-different raw material sources)			
	• •	frothy liquid with a mild odor.		
3	HAZARDS IDENTIFICATION		CALITIONII CONTRALIO I	
		Irritancy of Draduct	CAUTION! Contents unde Irritating to eyes, skin an	•
	HMIS: H F R PPE	_		by skin contact and inhalation.
	2 1 0	Johnsteil Ling Troporties	=	ith asthma, eczema and or
				existing conditions. Symptoms
			may include: coughing, w	heezing and shortness of breath.
		Routes of Entry	: Eye and skin contact, inha	alation, ingestion.
4	FIRST AID MEASURES	EVE G I III I		
		EYE flush with clean, low pre	ssure water for 15 minutes	s while holding eyelids open.
	SKIN remove contaminated clothing; wash skin with soap and water. INHALATION remove to fresh air.			
		INGESTION in case of excess	ve ingestion, give large am	ount of liquids. Do not
		induce vomiting.	re ingestion, give large and	
5	FIRE-FIGHTING MEASURES	9		
			t: >390°F (>199°C) (estima	
		Extinguishing Media Special Protective Equipment	: Carbon Dioxide, Dry Chem	
	Ha	zardous Decomposition Products	_	* *
	Tiu.	Zardous Decomposition Froducts	Carbon Dioxide, Nitrogen	
			and trace amounts of Hyd	
			given off.	<u> </u>
6	ACCIDENTAL RELEASE MEA	SURES		
			Provide adequate ventilat	
			· ·	otective clothing and equipment.
			Contain spill and collect u	or vermiculite. Shovel into waste
				minate solution. (90% water,
			J	ergent) Leave uncovered for
			24 hours prior to disposa	9 .
7	HANDLING AND STORAGE			
			CAUTION! Contents unde	er pressure.
			Avoid open flames.	
			Storage temperature: <1	
1			Do not puncture or incine	
	D		ID.C N. EDOT	V 400 (A 0
	Prepared by: M. Herosy File Name: CON-111A		Reference No. FROTH-PA Date of Issue: 12/97	.K 12.0 (A Component) (pg. 1 of 2)

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1	PRODUCT FROTH-PAK 12.	O (B Component)				
2	COMPOSITION					
	2 COMPOSITION					
	CHEMICAL	CAS#	CONCENTRATION	REGULATED_		
	Polyether Polyol Blend	Mixture_	60-100%	No		
	Trisphosphate		10-30%	No		
	Chlorodifluoromethane	75-45-6	10-30%	Yes		
	(1-see regulatory section for more information	ition)				
	(2-different raw material sources)					
	Appearance: Brown to ligh	nt yellow, frothy liquia wit	th a mild odor.			
3	HAZARDS IDENTIFICATION			HMIS: H F F	PPE	
		CAUTION! Contents (under pressure.	1	1 0	
		Eye and skin irritant.				
		Irritating to mucous n	nembranes			
4	FIRST AID MEASURES	EVE fluide with alone	low process water for 15 minute	o while helding evelide enen		
		ere nusn with clean	, low pressure water for 15 minutes	s wrille flolding eyellas open.		
		SKIN remove contam	ninated clothing; wash skin with soa	p and water.		
		INHALATION remove to fresh air.				
		INCESTION in case of	f evenesive indestion, dive large am	ount of liquids. Do not		
		induce vomiting.	f excessive ingestion, give large am	ount of liquids. Do not		
		S S	itional medical attention.			
5	FIRE-FIGHTING MEASURES					
			ash Point: >200°F (>93.3°C) (estim			
			ng Media: Carbon Dioxide, Dry Chem uipment: Self Contained Breathing			
	Special Protective Equipment: Self Contained Breathing Apparatus Hazardous Decomposition Products: During combustion, Carbon Dioxide and					
		Carbon Monoxide, Nitrogen Oxides, Ammonia				
			_	drogen Cyanide are given off.		
6	ACCIDENTAL RELEASE MEA	SURES				
J	, COIDENTAL NELLAGE WILA	CONLO	Provide adequate ventilat	ion.		
			Wear suitable personal pr			
			equipment. Contain spill	3		
			suitable absorbent mater	ial such as sawdust		
			or vermiculite.			
7	7 HANDLING AND STORAGE			CAUTION! Contents under pressure.		
			Avoid open flames.	to		
			Do not puncture or incine Storage temperature: 75			
8	EXPOSURE CONTROLS/PER	SONAL PROTECTION	Storage temperature. 73	. (200)		
			EYE wear safety goggles.			
			SKIN wear protective clot	=		
			RESPIRATORY use only in			
				on, wear suitable respiratory		
	B 11		protection.	V 10.0 (D.0		
	Prepared by: M. Herosy		Reference No. FROTH-PA	K 12.0 (B Component)		
	File Name: CON-111B		Date of Issue: 5/97		(pg. 1 of 2)	

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9	PHYSICAL AND CHEMICAL PRO	OPERTIES		
			Vapor Pres. (21°C/70°F): 2500mmHg	
			Specific Gravity: 1.2	
			VOC Content (lb/gal): 0	
10	STABILITY AND REACTIVITY			
			Stable under normal handling and use.	
11	TOXICOLOGICAL INFORMATIO	N		
			No toxicological testing has been done on this mixture	Э.
12	ECOLOGICAL INFORMATION			
			Unknown	
13	DISPOSAL INFORMATION			
			Do not puncture or incinerate.	
			Relieve all pressure prior to disposal.	
			Empty cylinders, once relieved of all pressure, can be	
			disposed as non-hazardous waste.	
			Dispose of leftover chemical by following instructions	
			under "Accidental Release Measures".	
14	TRANSPORTATION INFORMAT	TION	under Accidental Nelease Weasules .	
14	TRANSFORTATION INFORMAT	IOIV	Froth-Pak 12.0 (except Canada) -	
			Consumer Commodity ORM-D	
			IMDG: Aerosol, Class 9	
			IIVIDG. ACIOSOI, CIASS 9	
15	DECIII ATODY INICODMATION			
15	REGULATORY INFORMATION	TMA (9 hour)	SHORT TERM/10 mins) mg/m	
	EXPOSURE LIMITS Chlorodifluoromethone	TWA (8 hour), mg/m_	SHORT TERM(10 mins), mg/m_	
	Chlorodifluoromethane	3500 (1000ppm)		
	REGULATED CHEMICAL	APPLICABLE REGULATIONS		
	Chlorodifluoromethane	SARA 311/312/313, Canada	, MA, NJ, PA	
16	OTHER INFORMATION			
			N/A	
	Prepared by: M. Herosy		Reference No. FROTH-PAK 12.0 (B Component)	
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8	EXPOSURE CONTROLS/PERSO	ONAL PROTECTION			
	The source of a traction of the traction of th		EYE wear safety goggles.		
			SKIN wear protective clothing.		
			RESPIRATORY use only in well-ventilated areas.		
			With insufficient ventilation, or in situations where the		
			potential exists for exceeding the TLV, wear Self Contained		
			Breathing Apparatus.		
9	PHYSICAL AND CHEMICAL PR	OPERTIES	2. oct.m.g , ipperates.		
			Vapor Pres. (21°C/70°F): 2700mmHg		
			Specific Gravity: 1.3		
			VOC Content (lb/gal): 0		
10	STABILITY AND REACTIVITY				
			Reacts with water. Avoid alkalies, acids, alcohol and		
			ammonia. Reaction may be violent at elevated		
			temperatures.		
11			0		
			Concentrations of components (Sec. 2) must be		
			considered to determine effects of this mixture.		
			MDI: LD50 15gm/kg (rat); ingestion		
			CAUTIONI Contents under processes		
		Irritanay of Dradent	CAUTION! Contents under pressure.		
		_	Irritating to eyes, skin and respiratory tract.		
		=	May cause sensitization by skin contact and inhalation. Exposure to individuals with asthma, eczema and or		
		(Acute and Chronic)	allergies may aggravate existing conditions. Symptoms		
			may include: coughing, wheezing and shortness of breath.		
		Routes of Entry:	Eye and skin contact, inhalation, ingestion.		
12	ECOLOGICAL INFORMATION		· · · · · · · · · · · · · · · · · · ·		
			Unknown		
13	DISPOSAL INFORMATION				
			Do not puncture or incinerate.		
			Relieve all pressure prior to disposal.		
			Empty cylinders, once relieved of all pressure, can be		
			disposed as non-hazardous waste.		
			Dispose of leftover chemical by following instructions		
4.4	TDANCDODT A TION IN FOR	TION	under "Accidental Release Measures".		
14	TRANSPORTATION INFORMATION		Froth Dak 12.0 (except Canada)		
			Froth-Pak 12.0 (except Canada) -		
			Consumer Commodity ORM-D IMDG: Aerosol, Class 9		
15	REGULATORY INFORMATION		IIVIDO. ACIUSUI, CIASS Y		
13	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)	(opp)	V 'FE'		
	Chlorodifluoromethane	3500 (1000ppm)	N/A		
	REGULATED CHEMICAL	APPLICABLE REGULATIONS			
	4,4-Diphenylmethane-	SARA 311/312/313, CAA 19	90 Toxic air Pollutant		
	diisocyanate (MDI)				
	Chlorodifluoromethane	SARA 311/312/313, Canada,	MA, NJ, PA		
	PMDI	SARA 313			
16	OTHER INFORMATION				
			N/A		
	<u> </u>		In a superior pay and a superior pay		
	Prepared by: M. Herosy		Reference No. FROTH-PAK 12.0 (A Component)		
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