

DOC NO.: TC-TE-RES-002:005 1/5

Version: A/2 Last update: 2023-06-15

	ATION OF	THE PRODUCT	AND OF	THE COMPAN	Y
1.1 Product Nam			THEMAX		
1.2 INCI Name:		ACRYLA	TES/C10-30 ALKY	L ACRYLATE CROSSPOLYMER	
1.3 Chemical fan	nilv.				rylate crosspolymer
1.4 Company De	•		i jui opiio	, oroung mounted at	
Manufactur			Cuanazh	ou Tinci Mətəriələ	Technology Co., Ltd
	supplier:		0		pu Industrial Zone, Huangpu Region
Address:			Guangzho		pu industriai Zone, Huangpu Region
Telephone N	Jumber.		(86 20) 60		
Fax Number			(86 20) 82		
	Telephone Nu	mbor.	(86 20) 66		
Contact Per				l support engineer	
1.5 Date issued:	son:		Feb 2020	•• •	
	IDENTIFIC		Fe0 2020		
2. HAZARDS	IDENTIFIC				
2.1 Appearance		White powder.			
2.2 Odor		Slight acetic.			
2.3 Classification		Not determined.			
2.4 Target Organ		Not determined.			
2.5 Signal Word:		Not determined.			
2.6 Hazard stater		Not determined.			
2.7 Other Hazard		None identified.			
2.8 Precaution(s)	:	Not determined.			
2.9 Response:					
In case of fire:					nction. Carbon dioxide may be ineffective
				city which may res	ult in reignition. Avoid hose stream or an
		h will create dust clo		XX7 1	
If on skin:	-	with plenty of soap	b and water	r. wash contaminat	ed clothing before reuse. If skin irritation
If in aver		isly with water for se	weral minu	tes. Get medical atte	antion
If in eyes: If inhaled:					TTER or doctor. If breathing is labored
II Innaled:		ygen. If breathing ha			
If swallowed		ON CENTER or doct			
2.10 Storage Pro					in a closed container.
2.11 Disposal:	eedares.				e with local, national and internation
2.11 Disposal.		regulations.	nees must	se in accordance	with focul, hatolar and internation
See Section	11 for complete	te health hazard info	rmation.		
3. COMPOSIT	TION/INFO	RMATION ON IN	IGREDIF	ENTS	
Hazardous Ingre	dients:				
Chemical Name		CAS No.		Weight %	Carcinogen
Residual acrylic	acid	79-10-7		≤0.25	N/E
Residual Ethy	acetate	/ 141-78-6/110-	-82-7	≤0.5	N/E
cyclohexane					
4. FIRST AID	MEASURE	S			
		Immediately f	lush eyes w	ith plenty of one pe	rcent (1%) physiological saline solution for
4.1 Eye Contact:					If no saline is available, flush with plent
			r for fifteer	(15) minutes See	a physician. Water (moisture) swells th
		product into a			difficult to remove from the eye using on
4.1 Eye Contact:		product into a water.	gelatinous	film which may be	difficult to remove from the eye using on
	:	product into a water. Wash with so	gelatinous pap and w	film which may be vater. Get medical	
4.1 Eye Contact:4.2 Skin Contact	:	product into a water. Wash with so contaminated of	gelatinous pap and w clothing bet	film which may be vater. Get medical fore reuse.	difficult to remove from the eye using on attention if irritation develops. Laundo
4.1 Eye Contact:	:	product into a water. Wash with so contaminated o Remove expo	gelatinous pap and w clothing bet sed person	film which may be rater. Get medical fore reuse. to fresh air if adv	difficult to remove from the eye using on attention if irritation develops. Laundoverse effects are observed. If breathing
4.1 Eye Contact:4.2 Skin Contact	:	product into a water. Wash with so contaminated o Remove expo labored, admi	gelatinous oap and w clothing bet sed person nister oxyg	film which may be vater. Get medical fore reuse. to fresh air if adv gen. If breathing h	difficult to remove from the eye using on attention if irritation develops. Laundoverse effects are observed. If breathing as stopped, apply artificial respiration.
4.1 Eye Contact:4.2 Skin Contact	:	product into a water. Wash with so contaminated o Remove expo labored, admi irritation persis	gelatinous pap and w clothing bet sed person nister oxyg sts or if tox	film which may be vater. Get medical fore reuse. to fresh air if adv gen. If breathing h	difficult to remove from the eye using on attention if irritation develops. Laundoverse effects are observed. If breathing as stopped, apply artificial respiration. served, get medical attention.



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4.5 Advi	ica for the protec	tion of When	providing first aid alw	ave protect	your self against exposure to chemicals or
first-aid p	ice for the protec				sks and eye protection. If providing CPR use
1					masks or other ventilation devices. After
			ng first aid wash your e		with soap and water.
	to physicians:		physician: Treat sympton	omatically.	
	E FIGHTING M				
5.1 Flash			plicable.	-	
5.2 Fire a	and explosive prop		nition Energy > 50 mJ ation Index 157 - 193		476 - 0100 pci ft/see)
			Resistivity 4.7×10^{-193}		470 - 9190 psi li/sec).
			Temperature of Dust C) °C (~ 896 °F).
					and a propensity to build up static electricity
					park can be an ignition source for solvent to a solvent, ensure appropriate safe handling
					mable vapors. As with all organic dusts, fine
		particle	s suspended in air in cri	itical proport	tions and in the presence of an ignition source
					nsitive to ignition by electrostatic discharge,
					arettes, open flame, or other significant heat ndard safety measures for handling finely
			organic powders.	ipienieni sta	indate safety measures for nanoning intery
5.3 Extin	guishing Media:	CO2, d	ry chemical, foam, wate		er fog. Carbon dioxide may be ineffective on
					y which may result in reignition. Avoid hose
5.4Unsui	itable Exting		or any method which ware or any method which ware or a set of the	in create dus	t clouds.
Medi	U				
5.5 Fire f	fighting Procedure				f-containing breathing apparatus operated in
		-	-	h full facepie	ece, coat, pants, gloves and boots. Do not use
5.6Unusu	ual fire / exp	a water plosion Solid d		lammable va	pors. This material has been evaluated and is
hazaro					t is categorized as Dust Explosion Class ST1.
			ll can form an explosive	e organic dus	st air mixture. Take care to minimze airborne
	IDENTAL REL	dust.	IDEC		
6.1Person				equipment	must be worn. Caution - this material is
	nt and emergency		slippery when wet.	equipment	must be worn. Caution - uns material is
	ronmental precauti			ewers and wa	terways.
procedure	-	I	, , , , , , , , , , , , , , , , , , ,		
6.3 Meth	ods for clean-up a	nd removal:		or recycle and	l/or disposal. Avoid raising a dust. Wash spill
			area with detergent.	_	
	IDLING AND S		actorial organ from 1	t anoder '	lot lights, statis, algotri-ity, and such a
7.1 Hand	uing:				lot lights, static electricity and open flame. ekeeping practices. Avoid drinking, tasting,
					bid inhalation of dust, aerosol, mist, spray,
		fume,	or vapor. Use with ap	ppropriate a	nd adequate ventilation. Ground and bond
					Avoid prolonged skin contact. Launder
			cal, regional, national ar		se of packaging or containers in accordance nal regulations.
7.2 Stora	.ge:				eep container closed when not in use.
		ROLS/PERSO	NAL PROTECTION	1	
8.1 Expo	sure Limits:				
	Comp	CAS No.		(8 Hours	Short Term (15 mins.)
EU	Cyclohexane	110-82-7	T.W.A.) 200 ppm		N/E
UK	Not applicable.	110-02-7	200 ppm		
Ireland	Cyclohexane	110-82-7	100 ppm		300 ppm
.	Acrylic acid	79-10-7	10 ppm		20 ppm
India	Not applicable.				



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Cyprus Cyclohexane	110-82-7 200 ppm N/E
8.2 Other Exposure Limits	5: The industry-recommended permissible exposure limit for respirable polyacrylate dusts is 0.05 mg/m ³ .
8.3 Engineering Controls:	
8.4 Personal Protective Eq	juipment
Respiratory Protection	L: Use respirator with a High Efficiency Particulate Air (HEPA) filter if the recommended exposure limit is exceeded Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.
Eye Protection:	Safety glasses or goggles.
Hand Protection:	Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.
Clothing Recommenda	
Hygiene Measures:	Wash thoroughly after handling this product.
9. PHYSICAL AND C	CHEMICAL PROPERTIES
9.1 Physical State:	White powder
9.2 Odor:	Slight acetic
9.3 PH (@ 1% in H ₂ O):	2.5-3.0
9.4 Evaporation rate:	Non-volatile
9.5 Water Solubility:	Material will swell in water slightly.
9.6 Loss by drying: :	\leq 2.0 %
9.7 Vapor pressure:	Not Applicable
9.8 Melting point	Not available
9.9 Vapor density:	Non-volatile
9.10 Flash Point:	Not Applicable
9.11 Autoignition Point	~ 520 °C (~ 968 °F)
9.12 Explosion Data:	Dust can form explosive mixtures in the air.
10. STABILITY AND	
10.1 Chemical Stability: 10.2 Incompatibility wit materials:	ammonia, sodium hydroxide or strong basic amines.
10.3 Polymerization:	Will not occur.
	position Not determined.
Temperature: 10.5 Thermal Decomposit	ion: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
10.6 Conditions to Avoid:	Not determined.
11. TOXICOLOGICA	
11.1 ACUTE EXPOSUR	
Eye Irritation	Not expected to cause eye irritation. Based on data from similar materials. Particulates may cause
Skin Irritation	mechanical irritation. Solid particles (powder or dust) on the eye may cause pain and irritation. Not expected to be a primary skin irritant. Based on data from similar materials. Contact dermatitis may occur in sensitive individuals under extreme and unusual conditions of prolonged
Respiratory Irritation Dermal Toxicity Inhalation Toxicity	and repeated contact, such as high exposure accompanied by elevated temperature and occlusion by clothing. This effect may be the result of the product's hygroscopic properties, abrasion, or pH. Breathing of dust may cause coughing, mucous production, and shortness of breath. The LD50 in rabbits is > 5000 mg/Kg. Based on data from components or similar materials. Avoid inhalation of dust. Animal studies indicate the inhalation of respirable polyacrylate dust
unution romony	may cause inflammatory changes in the lung.
Oral Toxicity Dermal Sensitization	The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials. Not expected to cause skin sensitization. Based on data from components or similar materials.
Inhalation Sensitization Aspiration Hazard	No data available to indicate product or components may be respiratory sensitizers. Not determined.



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11.2 CHRONIC EX	POSURE
Chronic Toxicity	A two-year inhalation study in rats exposed to a respirable, water-absorbent sodium polyacrylate dust resulted in lung effects such as inflammation, hyperplasia, and tumors. There were no observed adverse effects at exposures of 0.05 mg/m3. In addition, long-term medical monitoring of potentially exposed workers has not revealed lung effects such as those observed in the rat. However, the inhalation of respirable dusts should be avoided by implementing respiratory protection measures and observing the recommended permissible exposure limit of 0.05 mg/m ³ .
Carcinogenicity	Not listed as a carcinogen or suspect carcinogen by NTP, IARC or OSHA.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are
	mutagenic or genotoxic.
Reproductive Toxicit	cause reproductive toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.
11.3 ADDITIONAL	INFORMATION
	nditions may be aggravated by prolonged or repeated exposure. Persons with sensitive airways (e.g., et to vapors. This material readily absorbs moisture and may become thick and gelatinous upon contact
with mucous membra	anes of the eye, or upon inhalation into the nasal passages.
	L INFORMATION
12.1 ENVIRONME	NTAL TOXICITY:
Freshwater Fish Toxi	
	rtebrates The acute EC50 is 100 - 1000 mg/L based on component data.
Toxicity	
12.2 ENVIRONME	
Biodegradation	At least 25% of the components in this product show limited biodegradation based on OECD
	301-type test data. At least 25% of the components in this product show limited
Bioaccumulation	biodegradation based on OECD 302-type test data. Less than 1.0% of the components potentially bioconcentrate.
	ONSIDERATIONS
13.1 Disposal Metho	regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
14. TRANSPORT	
ICAO/IATA I	Not regulated
ICAO/IATA II	Not regulated
IMDG	Not regulated
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
MARPOL Annex II	Not determined.
USCG Compatibility	
DOT NAERG	Not applicable.
	AY INFORMATION
Global Chemical Inv	
USA:	All components of this material are on the TSCA Inventory or are exempt.
EU:	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC
Japan: New Zeeland:	All components are in compliance with the Chemical Substances Control Law of Japan.
New Zealand: Canada:	May require notification before sale under New Zealand regulations. All components are in compliance with the Canadian Environmental Protection Act and are present on
Canada.	the Domestic Substance List.
Korea:	All components are in compliance in Korea.
Philippines :	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R. A. 6969).
China:	All components are listed on the Inventory of Existing Chemical Substances in China.
16. OTHER INFC	
16.1 Contact Point:	Technical Services Engineer (86-20) 66601159
16.2 Prepared by:	Guangzhou Tinci Materials Technology Co., Ltd
10.2 1 Tepared by:	Competition The Franciscus Toomology Con, End



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THEMAX N1					
	Health	Fire	Panativity	Special	
16.3 US NFPA Codes:	1	1	Reactivity 0	Special N/E	
16.4 HMIS Codes:	Health	Fire	Reac	tivity	
	0	1	0		

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