MATERIAL SAFETY DATA SHEET Pebax 7033SA01 30% BaSO4-NEU

NEU

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NEU Specialty Engineered 15 Corporate Drive, North			
Telephone Emergency telephone number	. ,		′ONE 4hrs for spill, leak, fire, exposur
Product name	: Pebax 7	033SA01 30% BaSO4-NE	U
Product code	: EM100	23053	
Chemical Name	: Mixture		
CAS-No. Product Use	: Mixture : Industri	e al Applications	
2. CO	MPOSITION/	INFORMATION ON ING	REDIENTS
Component	ts	CAS-No.	Weight percent
Barium sulfate		7727-43-7	30 - 60
product is based on ind exposure as shipped is user (fabricator) must ta	EMEI een evaluated as ividual compone minimal. Howe ake the necessar	ents. All ingredients are boy ver, some vapors may be re y precautions (mechanical v	ded on the health effects of this und and potential for hazardous leased upon heating and the end- ventilation, respiratory protection,
product is based on ind exposure as shipped is	EMEI een evaluated as ividual compone minimal. Howe ake the necessar ees from exposu	RGENCY OVERVIEW a whole. Information providents. All ingredients are boo ver, some vapors may be re y precautions (mechanical v	ded on the health effects of this und and potential for hazardous leased upon heating and the end-
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product is based on ind exposure as shipped is user (fabricator) must ta etc.) to protect employe ENTIAL HEALTH EFFEC Routes of Exposure: Acute exposure Inhalation	EMEI een evaluated as ividual compone minimal. Howe ake the necessar ees from exposu CTS : Inhalati : Particula	RGENCY OVERVIEW a whole. Information providents. All ingredients are boover, some vapors may be re y precautions (mechanical v re. on, Ingestion, Skin contact	ded on the health effects of this und and potential for hazardous leased upon heating and the end-
product is based on ind exposure as shipped is user (fabricator) must ta etc.) to protect employe ENTIAL HEALTH EFFEC Routes of Exposure: Acute exposure Inhalation Ingestion	EMEI een evaluated as ividual compone minimal. Howe ake the necessar ees from exposu CTS : Inhalati : Particula : May be 1	RGENCY OVERVIEW a whole. Information providents. All ingredients are boover, some vapors may be re y precautions (mechanical work) on, Ingestion, Skin contact ates, like other inert material harmful if swallowed.	ded on the health effects of this und and potential for hazardous leased upon heating and the end- rentilation, respiratory protection, ls can be mechanically irritating.
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Inhalation	: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all case doubt seek medical advice.	s of
Ingestion	: Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.	;
Eyes	: Rinse immediately with plenty of water, also under the eyelids, fo least 15 minutes. If eye irritation persists, seek medical attention.	r at
Skin	: Wash off with soap and plenty of water. If skin irritation persists seek medical attention.	
	5. FIREFIGHTING MEASURES	
Flash point	: not applicable	
Flammable Limits Upper explosion limit Lower explosion limit Auto-ignition temperature Suitable extinguishing media	 not applicable not applicable not applicable Carbon dioxide blanket, Water spray, Dry powder, Foam. 	
Special Fire Fighting Procedures Unusual Fire/Explosion Hazards	 Fullface self-contained breathing apparatus (SCBA) used in positi pressure mode should be worn to prevent inhalation of airborne contaminants. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NO2), charbon preventiels, and smalle are all pressible. 	
Hazaius	(NOx), other hazardous materials, and smoke are all possible.	
	ACCIDENTAL RELEASE MEASURES	
Personal precautions	: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.	
Environmental precautions	: Should not be released into the environment. The product should be allowed to enter drains, water courses or the soil.	not
Methods for cleaning up	: Clean up promptly by sweeping or vacuum. Package all material plastic, cardboard or metal containers for disposal.	in
	7. HANDLING AND STORAGE	
Handling	: Take measures to prevent the build up of electrostatic charge. Here only in areas with appropriate exhaust ventilation.	at
Storage	: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.	n

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Respiratory protection	: No personal respiratory protective equipment normally required.				
Eye/Face Protection	: S	afety glasses with side-shields			
Hand protection	: P:	rotective gloves			
Skin and body protection	: L	ong sleeved clothing			
Additional Protective Measures	: S	afety shoes			
General Hygiene Considerations		andle in accordance with good ractice. Wash hands before br			
Engineering measures		eat only in areas with appropr ppropriate exhaust ventilation		Provide	
Exposure limit(s)					
Components	Value	Exposure time	Exposure type	List:	
Barium sulfate	10 mg/m3	Time Weighted Average (TWA):		ACGIH	
	5 mg/m3	Recommended exposure limit (REL):	Respirable.	NIOSH	
	10 mg/m3 Recommended exposure limit (REL):		Total	NIOSH	
	5 mg/m3 PEL:		Respirable fraction.	OSHA Z1	
	15 mg/m3	PEL:	Total dust.	OSHA Z1	
	5 mg/m3	Time Weighted Average (TWA):	Respirable fraction.	OSHA Z1A	
	10 mg/m3	Time Weighted Average (TWA):	Total dust.	OSHA Z1A	
	9. PHYSIC	CAL AND CHEMICAL PRO	OPERTIES		
Form Appearance Colour Odour Melting point/range Boiling Point: Water solubility	: NO I : very : Not c	ts, Slabs Specif PIGMENT Bulk d faint Vapou determined Vapou pplicable pH	ic Gravity : Not lensity : Not ir pressure : not ir density : not	applicable determined established applicable applicable applicable	
	10. S	STABILITY AND REACTIV	/ITY		
Stability	: The product is stable if stored and handled as prescribed.			l.	

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Hazardous Polymerization	:	Will not occur.
Conditions to avoid	:	To avoid thermal decomposition, do not overheat.
Incompatible Materials	:	Strong acids, oxidizing and reducing agents
Hazardous decomposition products	:	Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

<u>Toxicity Overview</u> This product contains the following components which in their pure form have the following characteristics:

CAS-No.		hemical Name	Effect	Target Organ
7727-43-7	Bariun	n sulfate	Irritant	Respiratory system.
			Systemic effects	Eyes, Respiratory system.
		12. ECOLOGIO	CAL INFORMATION	١
Persistence and degra	dability	: Not readily bi	iodegradable.	
Environmental Toxicity : Chemicals are polymer matri			as they are bound within the	
Bioaccumulation Potential : Chemicals are polymer matri			as they are bound within the	
Additional advice : not applicable			2	
		13. DISPOSAL	CONSIDERATIONS	6
Product		possible recyc generator of v classification,	cling is preferred to dis waste material has the 1	product can be recycled. Wher posal or incineration. The esponsibility for proper waste posal in accordance with nd local regulations.
material has t transportation		preferred when possible. The generator of waste the responsibility for proper waste classification, n and disposal in accordance with applicable federal, ial and local regulations.		
		14. TRANSPO	RT INFORMATION	
U.S. DOT Classificat	ion	: Not regulated	for transportation.	
U.S. DOT Classificat ICAO/IATA	ion	-	for transportation.	

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IMO/IMDG (maritime)	:	Refer to specific regulation.
	15	. REGULATORY INFORMATION
US Regulations:		
OSHA Status	:	Classified as hazardous based on components.
TSCA Status	:	All components of this product are listed on or exempt from the TSCA Inventory.
US. EPA CERCLA Hazardous	Subs	stances (40 CFR 302)
not applicable		
California Proposition 65	:	Not applicable
SARA Title III Section 302 Extra	rem	ely Hazardous Substance
Unless specific chemicals are id	enti	fied under this section, this product is Not Applicable under this regulation
SARA Title III Section 313 Tox	ic C	Chemicals:
Unless specific chemicals are id	enti	fied under this section, this product is Not Applicable under this regulation
Canadian Regulations:		
National Pollutant Releas	se Ir	nventory (NPRI)
not applicable		
WHMIS Classification	:	Not controlled.
DSL	:	All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.
National Inventories:		
Australia AICS	:	Listed
China IECS	:	Listed
Europe EINECS	:	Listed

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Japan ENCS	:	Not determined
Korea KECI	:	Listed
Philippines PICCS	:	Not determined

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.