HARBOR FREIGHT TOOLS Guality Teols at Ridiculously Low Prices

# SAFETY DATA SHEET

Page 1 of 5 **HFT-68994** 

	ared to OSHA, ACC, ANSI, N												
	1	1.	PRODUC	T & COM	PANY	IDE	NTIF		TION				
.1	Product Name:	20 LB PF	RESSURIZ	ED ABR	ASIVE	BLA	<b>STE</b>	ER					
.2	Chemical Name:	Barium Sulfat	e										
.3	Synonyms:	P/N 68994											
.4	Trade Names:	Central Pneur	matic										
.5	Product Uses & Restrictions:	Abrasive Blas	ster										
.6	Distributor's Name:		nt Tools USA, In										
.7	Distributor's Address:	26541 Agoura	a Road, Calaba	sas, CA 91302	2 USA								
8.1	Emergency Phone:	CHEMTRE	C: +1 (703)	527-3887 /	+1 (800	) 424	-9300	) (CC	N 6766	37)			
1.9	Business Phone / Fax:	+1 (805) 388-	1000										
			0 114		DENT								
	I			ZARDS									
2.1	Hazard Identification:		is classified as								GOOE	JS	
		-	he classificatior MAY CAUSE			•	,		•	,		VE	
		-	MAY BE HAR				70110	/N. (	JAUJEJ	JERIU	53 E1	• •	
			: Skin Sens. 1B			lnh. 5							•
			ments (H): H31				n react	ion. H	319 – Ca	uses se	rious e	ye	
		irritation. H33	33 – May be har	mful if inhaled		-							
			/ Statements (I										<b>``</b>
			280 – Wear pi										
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PO POLY	JM SULFATE	to a licensed f 3. CC CAS No. 7727-43-7 61788-97-4 Skin Irrit. 2; Sk 109-16-0 2786-76-7	s if present and treatment, stora OMPOSITI RTECS No. CR0600000 NA tin Sens. 1; Eye Ir NA NA Ingestion unlikk or local emerg	EINECS No. 231-784-4 NA rit. 2; Aquatic Ch 203-652-6 220-509-3 FIRST AI ely; however, i ency number.	SREDI % 30-60 15-40 15-40 0.1-1.0 DMEA f ingested Provide	Insing. SDF). ENT ACG PPI TLV (5) NA 15, H31 NA NA NA NA	INF STEL NA NA NA NA NA NA NA NA	1 – Dis ORN NF NF 9, H411 NF NF Es- vor NF NF NF NF NF NF NF NF NF NF	Pose of c EXPOSUR OHSC PPM ES- ES- ES- ES- PEA NF NF NF NF NF NF NF NF NF NF	Image: Second contents/           E LIMITS I           K           FEL           (10)           Image: Second contents/           <	N AIR (m OSHA ppm STEL NA NA NA	g/m <sup>3</sup> ) IDLH NA NA NA St Poise	on Control Cen
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ARII POLY POLY	JM SULFATE	to a licensed f 3. CC CAS No. 7727-43-7 61788-97-4 Skin Irrit. 2; Sk 109-16-0 2786-76-7 Ingestion: Eyes: Skin: Inhalation: Eyes:	s if present and treatment, stora DMPOSITI RTECS No. CR0600000 NA in Sens. 1; Eye Ir NA Ingestion unlike or local emerg amount of the s If product gets upper and lowe Wash thorough least 15 minute Remove victim artificial respira If product is sw Exposure to d irritation and w May be irritatir	EINECS No. 231-784-4 NA rit. 2; Aquatic Ch 203-652-6 220-509-3 FIRST AI ely; however, i ency number. substance that in the eyes, i er lids, occasio hy with soap a as. n to fresh air a attion. Keep per vallowed, may lust may caus atering. ng to skin. The individuals.	Continue r facility (T GREDI 30-60 15-40 15-40 15-40 0.1-1.0 DMEA f ingested Provide r was swal flush with nally. Ind water. at once. rson warm cause gas e eye irri e product	In case If brea n, quiet strointe itation. can ca	NA NA NA NA NA NA NA NA NA NA	1 – Dis         ORN         NF         NF         9, H411         NF         9, H411         NF         ontact,         is diffic         jet med         disturbac         ptoms         llergic s	Pose of c ATIO EXPOSUR IOHSC PPM ES- STEL PEA NF NF NF NF NF NF NF NF NF NF iting. Cor ime at wh of lukewar immediat immediat immediat cal atten ance. of overes skin react	N E LIMITS I E LIMITS I E LIMITS I E LIMITS I I NA I N	NAIR (m OSHA Ppm STEL NA NA NA NA NA NA NA NA NA NA NA NA NA	ye her g/m <sup>3</sup> ) IDLH NA NA NA NA NA St Poise al was least vith ple lf bre nclude	on Control Cen ingested and t 15 minutes lift nty of water for athing stops g redness, itchin elts, dermatitis)

HARBOR FREIGHT TOOLS

## SAFETY DATA SHEET

Page 2 of 5 HFT-68994

SDS Revision: 1.1 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 7/25/2015 4. FIRST AID MEASURES – cont'd 43 Symptoms of Overexposure: If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, Eyes: irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. 4.4 Acute Health Effects: Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of dust can cause coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Chronic Health Effects: 45 Non-irritating when used as directed. Possible allergic dermatitis in some sensitive individuals 4.6 Target Organs: Eyes, Skin, Respiratory System 4.7 Medical Conditions Pre-existing dermatitis, other skin conditions. HEALTH 1 Aggravated by Exposure: FLAMMABILITY 0 PHYSICAL HAZARDS 0 **PROTECTIVE EQUIPMENT** В EYES SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: This material can burn but will not readily ignite. However, if involved in a fire, this product may 5.1 decompose at high temperatures to form toxic gases (e.g., CO, CO<sub>X</sub>, Hydrocarbons). 5.2 Extinguishing Methods: CO2, Dry Chemical, Alcohol Foam. Use water spray to cool containers. 5.3 Firefighting Procedures: Keep containers cool until well after the fire is out. Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fireexposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES Before cleaning any spill individuals involved in cleanup must wear appropriate Personal Protective Equipment. Plastic 6.1 Spills: or rubber gloves, respirator, eve protection and apron may be required for clean-up of large spills. No special precautions are required for intact packaging containing this product. If product is crushed, use respiratory protection equipment. Do not use compressed air to clean up any residue. Use a wet method or vacuums equipped with High Efficiency Particulate (HEPA) filters to clean up any residues from this product. Waste must be placed in dust tight containers or sealed plastic bags for disposal. Label properly. Keep spills and cleaning runoffs out of drains, municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION Work & Hygiene Practices: 7.1 Do not eat, drink or smoke when handling this product. Handle as to avoid puncturing container(s). Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. Special Precautions: 7.3 Clean all spills promptly. Spilled material may present a slipping hazard. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m<sup>3</sup>) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH CHEMICAL NAME(S) BARIUM SULFATE (5) NF NF NA NF (10) NA NA 8.2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general Controls: exhaust ventilation to effectively remove and prevent buildup of dusts generated from the use of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Respiratory Protection: 8.3 In instances where dusts are generated when using this product, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia. 8.4 Eye Protection: Use equipment for eye protection tested and approved under appropriate Avoid eve contact. government standards such as NIOSH (US) or EN 166(EU).

HARBOR FREIGHT TOOLS

9.4

9.5

pH:

Melting Point/Freezing Point:

## SAFETY DATA SHEET

Page 3 of 5 HFT-68994

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.1

SDS Revision Date: 7/25/2015

		8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd
8.5	Hand Protection:	Heavy-duty work gloves recommended under normal conditions of use to avoid abrasions and reduce risk of exposure to hands If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, or the EU member states.
8.6	Body Protection:	appropriate standards of Canada, or the EU member states.         No apron required under normal circumstances; however, it is recommended. Upon completion of work activities using this product), wash any exposed areas thoroughly with soap and water. If necessary, refer to appropriate standards of Canada, the EU member states, or U.S. OSHA.
		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Red powder
9.2	Odor:	Odorless
9.3	Odor Threshold:	NA

# 7 60 °C (140 °F) NA

9	
Initial Boiling Point/Boiling Range:	NA
Flashpoint:	NA
Upper/Lower Flammability Limits:	NA
Vapor Pressure:	NA
Vapor Density:	NA
Relative Density:	1.2-1.8 g/cm <sup>3</sup>
Solubility:	Insoluble
Partition Coefficient (log $P_{ow}$ ):	NA
Autoignition Temperature:	540 °C (1004 °F)
Decomposition Temperature:	NA
Viscosity:	NA
Other Information:	NA
	Range:       Flashpoint:         Upper/Lower Flammability       Limits:         Vapor Pressure:       Vapor Density:         Relative Density:       Solubility:         Partition Coefficient (log Pow):       Autoignition Temperature:         Decomposition Temperature:       Viscosity:

#### **10. STABILITY & REACTIVITY**

10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO <sub>2</sub> ).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.

#### 11. TOXICOLOGICAL INFORMATION

11.1	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
11.2	Toxicity Data:	This product has NOT be available for some of the					ntific literature, is
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.5	Suspected Carcinogen:	No					
11.6	Reproductive Toxicity:	This product is not report	ted to produce rep	oductive toxicity in hu	umans.		
	Mutagenicity:	This product is not report	ted to produce mut	agenic effects in hum	ans.		
	Embryotoxicity:	This product is not report	ted to produce eml	pryotoxic effects in hu	mans.		
	Teratogenicity:	This product is not report	ted to cause terato	genic effects in huma	ns.		
	Reproductive Toxicity:	This product is not report	ted to cause repro	ductive effects in hum	ans.		
11.7	Irritancy of Product:	The product can cause a	llergic skin reactio	ns (e.g., rashes, welts	s, dermatitis) upon	prolonged or repeate	d exposure.
11.8	Biological Exposure Indices:	NE	-				•
11.9	Physician Recommendations:	Treat symptomatically.					

### **12. ECOLOGICAL INFORMATION**

12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product.
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Dispose of in accordance with federal, state, provincial and local regulations.
13.2	Special Considerations:	

HARBOR FREIGHT TOOLS

## SAFETY DATA SHEET

Page 4 of 5 **HFT-68994** 

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.1

SDS Revision Date: 7/25/2015

		14. TRANSPORTATION	
The	basic description (ID Nun		packing group) is shown for each mode of transportation. Additional
desc	riptive information may be	e required by 49 CFR, IATA/ICAO, IMDG and the CT	DGR.
14.1	49 CFR (GND):	NOT REGULATED	
14.2	IATA (AIR):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.4	TDGR (Canadian GND):	NOT REGULATED	
14.5	ADR/RID (EU):	NOT REGULATED	
14.6	SCT (MEXICO):	NOT REGULATED	
14.7	ADGR (AUS):	NOT REGULATED	
		15. REGULATORY IN	IFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances subj	ect to SARA Title III, Section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantitie	s for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the TS	SCA Inventory or are otherwise exempt.
15.4	CERCLA Reportable Quantity	NA	
15.5	(RQ): Other Federal Requirements:	Pollutants under the Clean Water Act (CWA). No Water Act (CWA). This product does not contain a	
15.6	Other Canadian Regulations:	This product has been classified according to the l all of the information required by the CPR. The DSL/NDSL. None of the components of this product WHMIS D2B (Other Toxic Effects).	e components of this product are listed on the
15.7	State Regulatory Information:	Hazardous Substances List (MN), Pennsylvania F (WA).	teria list: Massachusetts Hazardous Substances List (MA, Minnesota Right-to-Know List (PA) and Washington Permissible Exposures List
		criteria lists: California Proposition 65 (CA65), De List (FL), Massachusetts Hazardous Substances Li Substances List (MN), New Jersey Right-to-Know	oncentration of 1.0% or greater, are listed on any of the following state elaware Air Quality Management List (DE), Florida Toxic Substances ist (MA), Michigan Critical Substances List (MI), Minnesota Hazardous List (NJ), New York Hazardous Substances List (NY), Pennsylvania Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are listed in Harmful (Xn). <u>Risk Phrases</u> (R): 20-38 – Harmful if 23-24-62 - Keep away from children. Do not brea do not induce vomiting: seek medical advice imm possible.	f inhaled. Irritating to skin. <u>Safety Phrases</u> (S): 2- athe dust. Avoid contact with skin. If swallowed,
		16. OTHER INFO	RMATION
16.1	Other Information:	HARMFUL IF INHALED.	N REACTION. CAUSES SERIOUS EYE IRRITATION. MAY BE
		INHALED: Call a POISON CENTER/doctor if you to occurs: Get medical advice/attention. IF IN EYES	andling. Wear protective gloves/eye protection/face protection. IF feel unwell. IF ON SKIN: Wash with soap and water. If skin irritation :: Rinse immediately with water for several minutes. Remove contact KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	REEL ECCRED OF AND OUT OF REACTION CHIEDREN.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OS government regulations must be reviewed for app	HA's Hazard Communication Standard, 29 CFR §1910.1200. Other licability to this product. To the best of ShipMate's & Harbor Freight ontained herein is reliable and accurate as of this date; however,
		accuracy, suitability or completeness is not guarar provided. The information contained herein relate	nteed and no warranties of any type, either expressed or implied, er, es only to the specific product(s). If this product(s) is combined with e considered. Data may be changed from time to time. Be sure to
		consult the latest edition.	
16.4	Prepared for:	Harbor Freight Tools USA, Inc. 26541 Agoura Road Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com	HARBOR FREIGHT TOOLS Quality Tools at Ridiculously Low Prices
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA	
		Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 <u>http://www.shipmate.com</u>	

### SAFETY DATA SHEET

Page 5 of 5 HFT-68994

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.1

SDS Revision Date: 7/25/2015

#### **DEFINITION OF TERMS**

Explosive

Flammable

Oxidizer

Pressurized

Corrosive

Toxic

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

#### **GENERAL INFORMATION:**

CAS No. Chemical Abstract Service Number

EXPOSURE	LIMITS IN AIR:
ACGIH	American Conference on Governmental Industrial Hygienists
С	Ceiling Limit
ES	Exposure Standard (Australia)
IDLH	Immediately Dangerous to Life and Health
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
FIRST AID M	EASURES:

#### FIRST AID MEASURES

CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HMIS	HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:							
0	Minimal Hazard		HEALTH					
1	Slight Hazard		FLAMMABILITY					
2	Moderate Hazard		PHYSICAL HAZARDS					
3	Severe Hazard		PERSONAL PROTECTION					
4	Extreme Hazard							

#### PERSONAL PROTECTION RATINGS:

Α						G					
В						Н					8
С	0		E.			I	0	(I)			
D	B		E-F			J					8
Е	0					κ	3	(I)			
F			E-F			X	Consult special I				
Sa	fety Glasse	es	Splash	Goggles	F		Shield 8 ive Eyew		Gle	oves	6
	Boots		Syntheti	c Apron	F		tive Cloth	ing	Dust R	<b>e</b> spi	irator
			8	3						J.	)
	Face Respir	rator	Mask Re	apor Half- espirator			ull Face spirator		Airline H or S	lood SCB	
	ML			TATIONS							
	mg/m3		-	ibic meter							
<u> </u>	NA	Not Av									
	ND		etermined								
	NE	Not Es	tablished								
	NF	Not Fo	ound								
	NR	No Re	sults								

### ppm parts per million SCBA Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	TY LIMITS IN AIR:
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

	RATING	-									
0	Minimal Hazard Slight Hazard						FLAMMABILITY				
1	-								RI	EACTIVITY	
2		Moderate Hazard Severe Hazard								/	
3		e Hazard	4								
ACD			1					<1	<u>× 2</u>	$\rightarrow$	
ALK		۵						$\sim$		/	
COR	-							/ 🗙	₩Х		
W		o Water					HE	EALTH	X		
ох	-									PECIAL	
TREFOIL	Radio	active							P	RECAUTIONS	
TOXICOL	OGICAL	INFOR	ΜΑΤΙ	ON:							
	I	.D <sub>50</sub> Le	ethal D	Dose (s	olids	& liqu	ids) wh	ich kills 50°	% of the expo	osed animals	
		-C <sub>50</sub> Le	thal c	oncent	ratior	(gase	es) whi	ch kills 50%	of the expos	ed animal	
	I	opm Co	oncen	tration	expre	essed	in parts	of materia	per million p	arts	
		TD <sub>Io</sub> Lo	west	dose to	o caus	se a sy	/mptom	า			
	Т	CLO LO	west	concer	tratio	n to ca	ause a	symptom			
	_D <sub>10</sub> , & L[		west	dose (d	or con	centra	ation) to	cause leth	al or toxic eff	ects	
1C, TC,	o, LC <sub>io</sub> , &		lore c'	ionel A	0000	for D	00001-	h on Can			
								h on Cance	1		
				I Toxico		-		nical Substa	ances		
			• •	entratio				noai Gubala			
		-									
log K	ow or log		Median threshold limit Coefficient of Oil/Water Distribution								
REGULAT											
WHMIS	1				dous I	Vateri	al Infor	mation Sys	tem		
DOT		epartmer						- ) -			
тс	-	ort Cana									
EPA		nvironme		rotectio	on Ag	ency					
DSL	Canac	lian Dome	estic S	Substar	nce Li	st					
NOHSC	Nation	al Occup	ationa	l Healt	h and	Safet	y Com	mission (Au	stralia)		
NDSL	Canad	lian Non-I	on-Domestic Substance List iority Substances List								
PSL											
TSCA		oxic Subs									
EU			nion (European Union Directive 67/548/EEC) hrdungsklassen (German Water Hazard Class)								
WGK	-	•							,	<u> </u>	
HMIS-III									Is Identification (WHMIS) S		
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Class A	Class B	Class	s C	Class	Class D1		ss D2	Class D3	Class E	Class F	
Compressed	Flammable	Oxidi	xidizing Toxic		Irrit	Irritation Infectious		Corrosive	Reactive		
EC (67/548			ΔΤΙΟ	٥N-		I		1	1	1	
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Corrosive	Explosive	Flamn	nable	Harn	nful	Oxi	dizing	Toxic	Irritant	Harmful	
CLP/GHS								1	1	1	
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Harmful

Irritating

Health

Hazard

Environmen