

# HPC, Inc.

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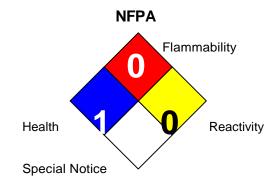
# Bulk Graphite HPC No. GG-16

# **Material Safety Data Sheet**

(According regulation 1907/2006/EC and directives 67/548/EC and 1999/45/EC)

#### **HMIS**

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	E



#### Section 1 - Identification of the Substance / Preparation, and of the Company

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Product Name/ Trade Name	Bulk Graphite			
<b>Product Description</b>	Natural Graphite			
Manufacturer	Panef, Inc.	Eme	ergency Phon	e 13 11 26 Poisons Line 24/7
	5700 W. Douglas Ave.	Info	rmation Pho	ne 03 9329 7222
	Milwaukee, WI 53218	Fax		03 9329 2570
		Date	Prepared	April 15 <sup>th</sup> 2019
Importer	Locksmith Supply Company Pty Ltd	Prep	parer (optiona	al) LSC
	140-158 Dryburgh Street	]		
	North Melbourne Vic 3051			

#### Section 2 – Hazards Information

Not Classified according EU regulations

Powder/air mixtures can cause dust explosion (see chapter 9)

Free Crystalline silica: Human Hazards: Free Cystalline Silica May Be Present. Silica Is An Inhalation Hazard When Present As Respirable Particulates. IARC Monograph Vol 68,1997 Conclude That There Is A Sufficient Evidence That Inhaled Crystalline Silica Causes Cancer In Humans. IARC Classification: Group 1

#### Classification of the substance or mixture

- Hazardous Chemical as listed on HCIS (Silica)
- Dangerous Goods Not listed on ADG Code 2017 Table 3.2.3

#### **GHS Label Elements:**



Chemical	Code	Health Hazard Statement	Hazard Category	Signal Word
Quartz crystalline silica 14808-60-7	H350i (May cause cand inhalation)	er by	Carcinogenicity – category 1A  Specific target organ toxicity	Danger
	H372 (Causes damage to organs (lungs) through prolonged or repeated exposure if inhaled)		(repeated exposure) – category 1	

Precautionary Statements - Prever	ntion
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read
	and understood
P281	Use personal protective equipment as required
P250	Do not breathe dust/fume/gas/mist/ vapours/spray
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
<b>Precautionary Statements - Response</b>	
P308 + P313	IF exposed or concerned: Get medical advice/attention
P314	Get medical advice/attention if you feel unwell.
Precautionary Statements - Storag	ge
P405	Store locked up
Precautionary Statements - Dispos	sal
P501	Dispose of contents/container to
	in accordance with local/regional/national/international
	regulations

Section 3 – Composition / Information On Ingredients

Hazardous Ingredients And Non Hazardous Ingredients		
Components	CAS Number	%
Natural flake graphite	7782-42-5	PROP.
Free crystalline silica (quartz)	14808-60-7	N/D
NOTE: Tests performed on natural graphite have shown quartz levels ranging form 2% to 10%.		

## **Section 4 – First Aid Measures**

Ingestion	Natural graphite is not known to be toxic by ingestion. However, ingestion may cause digestive system blockage.
Skin Contact	Wash with mild soap and warm water
Eye Contact	Rinse with tepid water until eyes are clear of particulates. Seek medical attention if irritation persists.
Inhalation	Remove patient to particulate-free environment. Wear approved dust mask to avoid breathing dust. Seek medical attention if irritation persists.

## **Section 5 – Fire Fighting Measures**

Natural graphite is n	ot flammable under normal conditions
Extinguishing Media	Dry chemical extinguisher, water
<b>Protective Equipment</b>	Self contained air pack, gloves, safety goggles
Special Hazards	None Known
NFP Rating	010

#### Section 6 - Accidental Release Measures

Personal Precautions	Dust mask, safety goggles, conventional gloves
Methods for Cleaning Up:	Conventional Sweep or vacuum. Avoid dusting conditions

### Section 7 - Handling and Storage

Handling	Conventional means to avoid dusting conditions. Natural graphite is a conductor of
	electricity. Avoid contact between Natural graphite and electrical circuitry.
Storage	Store all carbonaceous materials in a dry location, away from oxidizing agents.

Section 8 - Exposure Controls/ Personal Protection

Control Parameters	German or US	Limits		
Component	CAS No.	%	ACGIH TWA	Control Reference
Natural flake graphite	7782-42-5	100	2.0 mg/m <sup>3</sup>	3 mg/m³ for nuisance dust
Free crystalline silica (quartz)	14808-60-7	0.1-4.0%	0.025mg/m <sup>3</sup>	ACGIH Threshold Limit Values
<b>Engineering Measures</b>	Use adequate dust collections to maintain dust levels below the control or recommended values.			
Respiratory Protection	Approved dust			
Eye Protection	Conventional safety glasses or goggles.			
Skin Protection	Conventional work gloves and clothing.			
Additional	None			

Section 9 - Physical and Chemical Properties

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Colour:	Gray to Black	Material State	Solid free flowing flakes or powder
Odour	None		
<b>Boiling Point:</b>	4827 C	Melting Point	Sublimates at 3652C
Specific Gravity	2.26	Vapour Density	Not applicable
Vapor Pressure (mm Hg)	NA	% Volatile (By Wt.)	0-1%
Solubility in Water	Insoluble	<b>Evaporation Rate:</b>	Not applicable
pН	6-8	Auto Ignition	Above 500C
<b>Decomposition Temp</b>	Above 400C	<b>Dust Explosion class</b>	ST1=KST>0-200 bar.m/s
Flash Point	Not Applicable. When exposed to extremely high energy ignition sources fine		
	graphite and carbon powder can form explosive mixtures with air. Avoid contact		
	between graphite or carbon dust clouds and high energy ignition sources.		

Section 10 - Stability and Reactivity

Stability	Stable will not polymerize
Conditions to Avoid	Avoid contact with oxidizing agents
Materials to Avoid	Oxidizing agents
Hazardous	Carbon Dioxide (CO <sub>2</sub> ) and carbon Monoxide (CO)
<b>Decomposition Products</b>	

## **Section 11 – Toxicological Information**

Toxicological information about natural graphite is not available. However, graphite is inert, insoluble and is not expected to present an ingestion hazard.

# Section 12 – Ecological

Assessment	Natural graphite is inert and insoluble. To the best of our knowledge, Natural graphite
	should not present any environmental hazards any more serious than any inert,
	insoluble dust or granular substance.

# **Section 13 – Disposal Considerations**

Dispose of in a manner which conforms to local, state and Federal regulations.

# **Section 14 – Transport Information**

Natural Graphite
Non Hazardous
None
No label required
Technical Name (N.O.S.): Natural Graphite

Section 15 - Regulatory Information

Section 13 - Negu	
<b>EEC Marking and Lab</b>	peling
Symbol	Not Known
Risk Phases	Graphite: R20 (harmful by inhalation), Silica: R49 (may cause cancer by inhalation)
Safety Phases	S14 (keep away from oxidizers), S22(do not breathe dust), S23 (avoid contact with eyes), S39 (wear eye protection)
2	et contains a chemical known to the state of California to cause cancer: Silica
<b>Inventory Informa</b>	tion:
EEC EINECS:	#231-995-3, Silica 238-878-4
US TSCA	Yes
Canada DSL	Yes

Regulatory	Chemical	Status
Australian Inventory of chemical substances (AICS) (NICNAS)	Natural flake graphite CAS 7782-42-5	Listed
(, wee) (intervite)	Free crystalline silica (quartz) CAS 14808-60- 7	Listed
Australian Hazardous Substances Information System List (HCIS)	Natural flake graphite CAS7782-42-5	Not Listed
	Free crystalline silica (quartz) CAS14808-60- 7	Listed
Australian Exposure Standards (HCIS, SWA)	Natural flake graphite CAS7782-42-5	Listed
	Free crystalline silica (quartz) CAS14808-60- 7	Listed
International Agency for Research on Cancer (IARC) Monographs	Natural flake graphite CAS7782-42-5	Not Listed
(Witte) Monographs	Free crystalline silica (quartz) CAS14808-60- 7	Listed
Poisons Schedule	Natural flake graphite CAS7782-42-5	Not Listed
	Free crystalline silica (quartz) CAS14808-60- 7	Not Listed

## **Section 16 – Other Information**

<b>HMIS Rating</b>		100E
NFP Rating	110	
Reason for Issue		