



# SI-PZ1000 Black

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 12/30/2014

Revision date: 05/10/2017

Version: 1.7

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Name : SI-PZ1000 Black  
Product code : SI-PZ1000  
Synonyms : SI-PZ1000-500C, SI-PZ1000-200C, SI-PZ1000-500, SI-PZ1000-350, SI-PZ1000-400, SI-PZ1000-Q, SI-PZ1000-T, SI-PZ1000-G, SI-PZ1000-P, SI-PZ1000-100

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Ink

#### 1.3. Details of the supplier of the safety data sheet

Squid Ink Manufacturing, Inc.  
1173 Osborne Road  
Spring Lake Park, MN 55432  
United States of America

phone: 763-795-8856  
fax: 763-795-8867  
email: kschneider@squidink.com

#### 1.4. Emergency telephone number

24hr Emergency number : +1 800-424-9300 - Chemtrec

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Asp. Tox. 1 H304

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : Danger  
Hazard statements (GHS-US) : H304 - May be fatal if swallowed and enters airways  
Precautionary statements (GHS-US) : P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
P301+P310 - If swallowed: Immediately call a doctor  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P331 - Do NOT induce vomiting

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

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Name	Product identifier	%	Classification (GHS-US)
white mineral oil (petroleum)	(CAS No) 8042-47-5	50-100	Asp. Tox. 1, H304
carbon black	(CAS No) 1333-86-4	5-15	Carc. 2, H351
Phenol Resin	(CAS No) NJTSRN-6432	0-10	Not classified
Distillates (petroleum), hydrotreated light naphthenic.	(CAS No) 64742-53-6.	0-10	Asp. Tox. 1, H304

Full text of H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after inhalation : Symptoms similar to those listed under ingestion.
- Symptoms/injuries after skin contact : No effects known.
- Symptoms/injuries after eye contact : No effects known.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.
- Chronic symptoms : No effects known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: Direct sunlight, Heat-ignition.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

SI-PZ1000 Black		
ACGIH	Not applicable	
OSHA	Not applicable	
white mineral oil (petroleum) (8042-47-5)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
OSHA	Not applicable	
carbon black (1333-86-4)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
ACGIH	Remark (ACGIH)	Bronchitis
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	3,5 mg/m <sup>3</sup>
Phenol Resin (NJTSRN-6432)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> Respirable Dust (15 mg/m <sup>3</sup> Total Dust)
OSHA	Not applicable	
Distillates (petroleum), hydrotreated light naphthenic. (64742-53-6.)		
ACGIH	Not applicable	
OSHA	Not applicable	

#### 8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation.

Personal protective equipment : Protective goggles. Gloves.



Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : Black

Odor : Slight; characteristic

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Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 400 °F
Flash point	: > 200 °F
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0,75 - 0,97 g/cm <sup>3</sup>
Solubility	: Water: Solubility in water of component(s) of the mixture : • : • glycerol: 100 g/100ml • : < 0,01 g/100ml • : < 0,01 g/100ml
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : 31,42 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
(Based on available data, the classification criteria are not met)

#### white mineral oil (petroleum) (8042-47-5)

LD50 oral rat	> 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat; Experimental value)

#### carbon black (1333-86-4)

LD50 oral rat	> 8000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
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carbon black (1333-86-4)	
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

white mineral oil (petroleum) (8042-47-5)	
IARC group	3 - Not classifiable

carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans
Note -	Note - In 1995 INTERNATIONAL Agency for Research on Cancer (IARC) concluded, "There is inadequate evidence in humans for the carcinogenicity of carbon black." Based on rat inhalation studies of dust, IARC concluded that there is "sufficient evidence in experimental animals for the carcinogenicity of carbon black", resulting in their classifying carbon black as "possibly carcinogenic to humans (Group 2B)". This classification is solely based on inhalation of the raw dust which cannot happen in the normal use of this product. The carbon black in this mixture is bound within the fluid matrix reducing its chances of causing harm.

Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	
IARC group	3 - Not classifiable
Note -	Note – The classification as a carcinogen need not apply as it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346.

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Symptoms similar to those listed under ingestion.
Symptoms/injuries after skin contact	: No effects known.
Symptoms/injuries after eye contact	: No effects known.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
Chronic symptoms	: No effects known.

## SECTION 12: Ecological information

### 12.1. Toxicity

white mineral oil (petroleum) (8042-47-5)	
LC50 fish 1	> 100 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)
Threshold limit algae 1	>= 100 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)
carbon black (1333-86-4)	
LC50 fish 1	> 1000 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1	> 5600 mg/l (24 h; Daphnia magna)

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### 12.2. Persistence and degradability

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Persistence and degradability	Not established.
white mineral oil (petroleum) (8042-47-5)	
Persistence and degradability	Not readily biodegradable in water. No (test)data available on mobility of the substance.
carbon black (1333-86-4)	
Persistence and degradability	Biodegradability: Not applicable. Biodegradability in soil: Not applicable. Adsorbs into the soil.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

SI-PZ1000 Black	
Bioaccumulative potential	Not established.
white mineral oil (petroleum) (8042-47-5)	
Bioaccumulative potential	Bioaccumulation: No data available.
carbon black (1333-86-4)	
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Mobility in soil

carbon black (1333-86-4)	
Ecology - soil	Not toxic to plants. Not toxic to animals.

### 12.5. Other adverse effects

Effect on ozone layer	:
Effect on the global warming	: No known ecological damage caused by this product.
Other information	: Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a licensed waste centre in accordance with local/regional/national/international regulations.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with DOT  
Not dangerous goods in terms of transport regulations

### Additional information

Other information : No supplementary information available.

### ADR

Not dangerous goods in terms of transport regulations

### Transport by sea

No Not dangerous goods in terms of transport regulations

### Air transport

Not dangerous goods in terms of transport regulations

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### white mineral oil (petroleum) (8042-47-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### carbon black (1333-86-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### Distillates (petroleum), hydrotreated light naphthenic. (64742-53-6.)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

No additional information available

##### EU-Regulations

No additional information available

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Asp. Tox. 1 H304

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### 15.2.2. National regulations

No additional information available

#### 15.3. US State regulations

##### carbon black (1333-86-4)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes – See Comment	No	No	No	

Comment - This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm: "carbon black (airborne, unbound particles of respirable size)" is a California Proposition 65 listed substance. Please note that all three listing qualifiers (airborne, unbound (not bound within a matrix), and respirable size (10micron or less in diameter)) must be met for this substance to be considered a Proposition 65 substance. This carbon is bound within this ink matrix reducing its chances of causing harm.

### SECTION 16: Other information

Revision date : 05/10/2017

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : Phenol Resin(NJTSTRN-6432) is listed on the New Jersey Trade Secret Register therefore the CAS numbers of ingredients contained in this mixture are not known to us.

Full text of H-phrases:

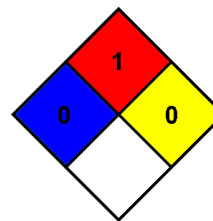
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 2	Carcinogenicity Category 2
H304	May be fatal if swallowed and enters airways
H351	Suspected of causing cancer

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- NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
- NFPA fire hazard : 1 - Must be preheated before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

- Health : \* Chronic Hazard - Chronic (long-term) health effects may result from repeated overexposure
- Flammability : 1 Slight Hazard
- Physical : 0 Minimal Hazard
- Personal Protection : C

SDS US (GHS HazCom 2012)

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