P<u>olyOne</u> gsdi

Version Number 1.1 Revision Date 08/17/2017 Page 1 of 14 Print Date 08/18/2017

## SAFETY DATA SHEET

### **SILCOGUM BLUE 377**

Section 1. Identification	on	
GHS product identifier Chemical name CAS number Other means of identification Product type	:	SILCOGUM BLUE 377 Mixture Mixture FO20041659 liquid
	stance	e or mixture and uses advised against
Product use	:	Industrial applications. Plastics.
Supplier's details	:	<b>GSDI Specialty Dispersions, Inc.</b> 1675 Navarre Road SW, Massillon, Ohio USA 44646
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

### Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.

#### GHS label elements



Version Number 1.1 Revision Date 08/17/2017

Page 2 of 14 Print Date 08/18/2017

Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

## Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	FO20041659

CAS number/other identifiers

Ingredient name	%	CAS number
Cobalt aluminate blue spinel (C.I. Pigment Blue 28)	1 - 5	1345-16-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable
0/4.4		



Version Number 1.1	Page 3 of 14
Revision Date 08/17/2017	Print Date 08/18/2017

	for breathing. Get medical attention if symptoms occur.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated
	clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at
	rest in a position comfortable for breathing. If material has been
	swallowed and the exposed person is conscious, give small quantities
	of water to drink. Do not induce vomiting unless directed to do so by
	medical personnel. Get medical attention if symptoms occur.

#### Most important symptoms/effects, acute and delayed

Potential acute health effects		
Eye contact	: No known significant	effects or critical hazards.
Inhalation	: No known significant	effects or critical hazards.
Skin contact	: No known significant	effects or critical hazards.
Ingestion	: No known significant	effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	: No specific data.	
Inhalation	: No specific data.	
Skin contact	: No specific data.	
Ingestion	: No specific data.	
Indication of immediate medical	ntion and special treatmen	t needed, if necessary
Notes to physician		7. Contact poison treatment specialist uantities have been ingested or inhaled.
Specific treatments	: No specific treatment.	6
Protection of first-aiders	: No action shall be take suitable training.	en involving any personal risk or without
See toxicological information (See	- n 11)	

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$ . None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
		3/14



Version Number 1.1 Revision Date 08/17/2017 Page 4 of 14 Print Date 08/18/2017

Hazardous thermal decomposition products	:	No specific data.
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment	nt ar	nd cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.



Version Number 1.1 Revision Date 08/17/2017

### Page 5 of 14 Print Date 08/18/2017

## **Section 7. Handling and storage**

#### Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

### **Occupational exposure limits**

Ingredient name	Exposure limits		
Cobalt aluminate blue spinel (C.I.	ACGIH TLV (1994-09-01) as Co		
Pigment Blue 28)	TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 0.02 mg/m3		
Appropriate engineering controls :	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.		
Environmental exposure controls :	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual protection measures			
Hygiene measures :	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end		



Version Number 1.1	Page 6 of 14
Revision Date 08/17/2017	Print Date 08/18/2017

Eye/face protection	:	of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

#### **Appearance**

Physical state	: liquid [Viscous liquid.]
Color	: BLUE
Odor	: Not available.
Odor threshold	: Not available.
рН	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Burning time	: Not available.
Burning rate	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive	: Lower: Not available.
(flammable) limits	<b>Upper:</b> Not available.



Version Number 1.1 Revision Date 08/17/2017 Page 7 of 14 Print Date 08/18/2017

Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

## Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 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.

#### Information on toxicological effects

Acute toxicity		
Conclusion/Summary	:	Mixture.Not fully tested.
Irritation/Corrosion		
Conclusion/Summary		
Skin	:	Mixture.Not fully tested.
Eyes	:	Mixture.Not fully tested.
Respiratory	:	Mixture.Not fully tested.



Version Number 1.1 Revision Date 08/17/2017 Page 8 of 14 Print Date 08/18/2017

#### **Sensitization**

Conclusion/Summary Skin Respiratory	:	Mixture.Not fully tested. Mixture.Not fully tested.
<u>Mutagenicity</u>		
Conclusion/Summary	:	Mixture.Not fully tested.
Carcinogoniaity		

**Carcinogenicity** 

: Mixture.Not fully tested.

#### Conclusion/Summary Classification

Classification			
Product/ingredient	OSHA	IARC	NTP
name			
Cobalt aluminate blue			Reasonably anticipated to be a human carcinogen.
spinel (C.I. Pigment Blue			
28)			

#### **Reproductive toxicity**

Conclusion/Summary	:	Mixture.Not fully tested.
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#### **Teratogenicity**

**Conclusion/Summary** : Mixture.Not fully tested.

### <u>Specific target organ toxicity (single exposure)</u> Not available. <u>Specific target organ toxicity (repeated exposure)</u>

Not available.

### Aspiration hazard Not available.

#### Information on likely routes of : Not available. exposure

#### Potential acute health effects

Inhalation : No known s	ignificant effects or critical hazards. ignificant effects or critical hazards. ignificant effects or critical hazards.
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P<u>olyOne</u> gsdi

Version Number 1.1 Revision Date 08/17/2017 Page 9 of 14 Print Date 08/18/2017

Ingestion

: No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

#### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

#### **Toxicity**

**Conclusion/Summary** 

: Not available.

9/14



Version Number 1.1	Page 10 of 14
Revision Date 08/17/2017	Print Date 08/18/2017

Persistence and degradability		
Conclusion/Summary	:	Not available.
Bioaccumulative potential <u>Mobility in soil</u>		
Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

### Section 14. Transport information

International Water IMO/IMDG	:	Consult mode specific transport rules
International Air ICAO/IATA	:	Consult mode specific transport rules
U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.

PolyOne. gsdi

Version Number 1.1 Revision Date 08/17/2017

### Page 11 of 14 Print Date 08/18/2017

## Section 15. Regulatory information

U.S. Federal regulations	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined</li> <li>United States - TSCA 8(a) - Preliminary assessment report</li> <li>(PAIR): Listed Siloxanes and Silicones, di-Me, Me hydrogen Octamethylcyclotetrasiloxane</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Not listed</li> <li>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed</li> </ul>
		release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed



Version Number 1.1 Revision Date 08/17/2017 Page 12 of 14 Print Date 08/18/2017

DEA List I Chemicals (Precursor:Not listedChemicals):Not listedDEA List II Chemicals (Essential<br/>Chemicals):Not listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

#### SARA 311/312

Classification

: Not applicable.

#### **Composition/information on ingredients**

Name	%	Classification
Cobalt aluminate blue spinel (C.I.	1 - 5	СН
Pigment Blue 28)		

#### SARA 313

	Product name	CAS number	%	
Form R - Reporting	Cobalt aluminate blue spinel	1345-16-0	1 - 5	
requirements	(C.I. Pigment Blue 28)			
Supplier notification	Cobalt aluminate blue spinel	1345-16-0	1 - 5	
	(C.I. Pigment Blue 28)			

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations	
Massachusetts :	None of the components are listed.
New York :	None of the components are listed.
New Jersey :	The following components are listed:
	Cobalt aluminate blue spinel (C.I. Pigment Blue 28)
Pennsylvania :	The following components are listed:
	Cobalt aluminate blue spinel (C.I. Pigment Blue 28)

#### California Prop. 65

This PolyOne product does not contain any chemical known to the State of California to cause cancer, or birth defects or other reproductive harm, in concentrations that require a warning notice under California's Proposition 65. This statement relies in part on information provided by the buyer of this PolyOne product. PolyOne does not control or have complete knowledge of the end uses to which that buyer or any other entity in the chain of distribution and marketing may put this PolyOne product. Therefore, the buyer of this PolyOne product, each entity that uses this PolyOne product in formulating another product, and each entity in the chain of distribution and marketing of any product that includes the material in this PolyOne product must make its own decision as to giving a Proposition 65 warning.

P<u>olyOne</u> gsdi

Version Number 1.1 Revision Date 08/17/2017 Page 13 of 14 Print Date 08/18/2017

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
<u>Inventory list</u>		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

### Section 16. Other information

#### Hazardous Material Information System (U.S.A.) :

Health	*	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

History

History		
Date of printing	:	08/18/2017
Date of issue/Date of revision	:	08/17/2017
Date of previous issue	:	08/15/2017
Version	:	1.1
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container

**GSDI** Specialty Dispersions, Inc.



# SAFETY DATA SHEET SILCOGUM BLUE 377

Version Number 1.1 Revision Date 08/17/2017 Page 14 of 14 Print Date 08/18/2017

IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations Not available.

References

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.