

1.

Chemical Product and Company Identification

Product Name/Chemical Name: SAM Cobalt Blue Silicone Color

Chemical Family: Silicone

General Use: Pigment Dispersion for Silicone Elastomer Coloration

DOT shipping class: Not regulated by DOT as a hazardous material.

Manufacturer: Tom McLaughlin Productions,

66 Willow Avenue, Suite 1, Hoboken, New Jersey 07030 646/510-8763

Emergency Contact: Chem-Tel

Domestic 800-255-3924

International 813-248-0585

2.

Hazardous Constituents

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Cobalt Aluminate Blue Spinel *	1345-16-0	10-25	0.1mg/m ³ (as Co dust)	

* These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

This product in liquid form precludes exposure to pigment dust.

In this form no hazards associated with dry powder pigments are expected.

This product is a mixture of various chemical ingredients.

The substance is not classified as hazardous according with the EU regulation (CE) 1272/2008.

The substance is not classified as hazardous according with the EU Directive 67/548/EEC and amendments.

The label doesn't have to show any hazard mark, signal words and / or precautionary advices.

It is considered that Cobalt Blue can be safely used as an artists pigment.

Health and Safety in the Arts Database rates Cobalt Blue as Moderately toxic as an Ingestion Hazard and Inhalation Hazard, and Slightly toxic in terms of a Skin Contact Hazard. The LD50 (where 50% of rabbits died) values of soluble cobalt salts has been estimated to be between 150 and 500 mg/kg. Thus, for a 100 kg (220 pound) person the LD50 would be about 20 grams of soluble cobalt.

3.

Health Hazards

EYE: Not expected to cause adverse effects.

SKIN: May causes skin irritation if in contact for extended periods of time.

INGESTION: Not expected to cause adverse effects.

INHALATION: No adverse effects are expected from short-term exposures at ambient temperature.

CHRONIC EFFECTS: No adverse long-term effects are known.

CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.

AGGRAVATION OF PRE-EXISTING CONDITIONS: None known.

4.

First Aid Measures

EYE CONTACT: Flush with plenty of water.

SKIN CONTACT: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation occurs.

INHALATION: No emergency care anticipated.

INGESTION: If swallowed, call a physician.

5.

Fire Fighting Measures

FLASH POINT: >300 °F (estimated)

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foams, or water fog or spray.

HAZARDOUS COMBUSTION PRODUCTS: May include carbon and silicone oxides and potentially irritating compounds such as formaldehyde.

OTHER INFORMATION: Firefighters wear SCBA. Cool overheated containers with water spray.

6.

Accidental Release Measures

Clear non-emergency personnel from the area. Extinguish sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with a sorbent such as sawdust, vermiculite, dirt, sand, clay, or cob grit. Collect and containerize material. Cleanup spills promptly and completely to minimize slipping hazard.

7.

Handling and Storage

HANDLING: At temperatures exceeding 300 °F, this product can form formaldehyde (an eye and respiratory irritant and a potential carcinogen). Avoid temperatures >300 °F.

STORAGE: Store in dry area away from heat, sparks, and open flames. contact with acids or bases.

8.

Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general exhaust.

PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical splash goggles) and rubber gloves are recommended.

RESPIRATORY PROTECTION: At ambient temperatures, no respiratory protection is needed. When sanding or spraying, use a NIOSH P100 dust and mist respirator.

PROTECTIVE GLOVES: None required under normal use. For techniques requiring continual hand exposure, gloves are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required under normal use.

WORK/HYGIENIC PRACTICES: All SAM products should be used in accordance with safe handling practices, including: do not eat, drink or smoke when working with materials, avoid excessive skin contact, wash after working with materials.

9.

Physical Characteristics

APPEARANCE: Blue liquid

ODOR: Mild

pH: Not applicable

BOILING POINT: Not determined

VAPOR PRESSURE: <1 mm Hg @ 20 °C

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.97 @ 25°C

10.

Stability and Reactivity

CONDITIONS TO AVOID: Normally stable. Avoid temperatures in excess of 300 °F since traces of formaldehyde (a potential carcinogen) can be generated. Avoid contact with acids and bases.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizers, bases and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Depends on temperature, air supply and presence of other materials; likely to form oxides of carbon and silicone, and possibly hydrogen gas and formaldehyde.

11.

Regulatory and Other Information

DISPOSAL: Upon disposal, this product is not a listed or characteristic RCRA hazardous waste as defined in 40 CFR 261. Dispose of in accordance with state and local regulations.

TRANSPORT: Not a hazardous material for shipping purposes based on United Nations Recommendations for the Transport of Dangerous Goods and 49 CFR Part 171.

EMERGENCY SHIPPING INFORMATION: Call CHEMTREC 1-800-424-9300.

HMIS: Health=1; Flammability=0; Reactivity=0; PPE=C

REVISION INDICATOR: version 1.1, 3/13

DISCLAIMER:

The information contained herein is considered accurate; however, manufacturer makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.