

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier: SPOT Endoscopic Marker

1.2 Relevant Identified Uses: SPOT is a suspension containing highly purified, very fine carbon particles supplied in a pre-sterilized syringe for endoscopic marking.

1.3 Details of the Supplier of the SDS:

Manufacturer:

GI Supply®

200 Grandview Ave.

Camp Hill, PA 17011 USA

1.4 Emergency Telephone Number: (800) 451-5797

SECTION 2. HAZARDS IDENTIFICATION

2.1 GHS Classification:

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Acute aquatic toxicity (Category 2), H401

2.2 GHS Label Elements:

Symbol(s) –



Signal Word – Warning

Hazard Statements

H302 + H332 Harmful if swallowed or if inhaled.

H401 Toxic to aquatic life.

Precautionary Statements

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Component	CAS-No	EC-No	Concentration
Glycerol	56-81-5	200-289-5	10-20%
Polysorbate 80	9005-65-6	500-019-9	0.5-1.5%
Benzyl Alcohol	100-51-6	202-859-9	0.5-1.5%
Carbon	1333-86-4	215-609-9	0.01-1.0%
Water	7732-18-5	231-791-2	>76%

SECTION 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General - Consult a physician. Show this safety data sheet to the doctor in attendance.

First Aid: Eyes – Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

First Aid: Skin - Wash off with soap and plenty of water. May stain skin or clothing. Protective clothing/gloves are recommended during handling.

First Aid: Ingestion - Never give anything by mouth to an unconscious person. Rinse mouth with water. In case of accidental ingestion, seek professional assistance or call local Poison Control Center.

First Aid: Inhalation – If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No additional information on the product is available. The following medical conditions may be aggravated by exposure to carbon black: asthma, respiratory disease.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

No additional relevant information available.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special Hazards Arising from the Mixture

No information available.

5.3 Advice for Firefighters

Conventional firefighting full protective gear with self-contained breathing apparatus and procedures appropriate for the surrounding fire if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Wear protective clothing as per Section 8.

6.2 Environmental Precautions

Do not let product enter drains. Do not contaminate water sources or sewer.

6.3 Methods and Material for Containment and Cleaning Up

Soak up with inert absorbent material and store in suitable closed container for disposal.

6.4 Reference to Other Sections

For disposal, see Section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Use only in well ventilated areas. Utilize Good Laboratory Practices and safety guidelines for handling chemicals. Wear appropriate personal protective equipment.

7.2 Conditions for Safe Storage, Including and Incompatibilities

Store according to product and label instructions. Recommend storage at room temperature in the canister provided with the syringe tips pointed upward.

7.2 Specific End Use(s)

For specific end uses, see Section 1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Benzyl alcohol	100-51-6	TWA	10.000000 ppm	USA. Workplace Environmental Exposure Levels (WEEL)
Glycerol	56-81-5	TWA	10 mg/m3 (total particulate)	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	5 mg/m3 (respirable particulate)	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	10 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
Carbon	1333-86-4	TWA	3.5 mg/m3	USA. OSHA- TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	3.0 mg/m3	USA. ACGIH Threshold Limit Values (TLV)

8.2 Exposure Controls

Appropriate Engineering Controls

General chemical/industrial hygiene practices are recommended when working with the product.

Personal Protection

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.

Body Protection

Wear appropriate body protection relative the concentration and amount of dangerous substances at the specific workplace.

Respiratory protection

Adequate ventilation is required. Respiratory protection is not required under normal use of this product. If respiratory protection is desired or needed, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls

Do not let product enter drains. Do not contaminate water sources or sewer.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Color –Black

Form – Liquid

Odor – Mild

pH – 6.0-8.0

Freezing Point – 32°F/0°C

9.2 Other Information

No additional information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

No hazardous reactions known if used in accordance with the intended purpose of the product.

10.4 Conditions to Avoid

No information available.

10.5 Incompatible Materials

No information available.

10.6 Hazardous Decomposition Products

No information available.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity

No information available for the product.

Benzyl Alcohol:

LD50 Oral - Rat - 1,230 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). Behavioral: Excitement. Behavioral: Coma.

LD50 Oral - Rat - male - 1,620 mg/kg

Skin Corrosion/Irritation

No information available for the product.

Serious Eye Damage/Irritation

No information available for the product.

Respiratory or Skin Sensitization

No information available for the product.

Germ Cell Mutagenicity

No information available for the product.

Carcinogenicity

Carbon Black is listed by IARC (International Agency for Research on Cancer)

ACGIH listed carbon black as A3 "confirmed animal carcinogen with unknown relevance to humans"

Does not contain any substances listed by NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), or EU (European Union).

Reproductive Toxicity

No information available for the product.

STOT-Single Exposure

No information available for the product.

STOT-Repeated Exposure

No information available for the product.

Aspiration Hazard

No information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available for the product.

Benzyl Alcohol:

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h

LC50 - Pimephales promelas (fathead minnow) - 460 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h

- Daphnia magna (Water flea) - 230 mg/l - 48 h

(OECD Test Guideline 202)

12.2 Persistence and degradability

No information available for the product.

12.3 Bioaccumulative Potential

No information available for the product.

12.4 Mobility in Soil

No information available for the product.

12.5 Results of PBT and vPvB Assessment

This product does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other Adverse Effects

No information available for the product.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods**

Complete or partially used syringe barrels should be disposed of in accordance with non-hazardous biological waste methods.

SECTION 14. TRANSPORT INFORMATION**14.1 UN Number**

Not classified as hazardous for transport

14.2 UN Proper Shipping Name

Not applicable

14.3 Transport Hazard Class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental Hazards

Not classified

14.6 Special Precautions for User

Not classified

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not classified

14.8 Other Information

DOT (US), TDG (Canada), IMDG, IATA: Not classified as hazardous for transport

SECTION 15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Mixture

SARA Section 302 (extremely hazardous substances)

No components are listed as extremely hazardous substances under SARA Section 302.

SARA Section 313 (specific toxic chemical listings)

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Proposition 65 Components

This product contains a component that is listed on California Proposition 65.

"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 (10 micrometers or less in diameter) must be met for this substance to be considered a Proposition 65 substance.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out by the supplier.

SECTION 16. OTHER INFORMATION

This information herein is given in good faith. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. No warranty expressed or implied is made. Any use of this data and information must be determined by the user to be in accordance with applicable normal use conditions.

SUMMARY OF CHANGES:

14 May 2015; Information updated and reformatted to comply with the Globally Harmonized System.