



SC1502  
SDS Version 4.0

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## SAFETY DATA SHEET

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

**Product Identifier:** SC1502

**Other Means of Identification:** Stretchable Carbon Conductor

**Recommended use of the chemical and restrictions on use:** None identified

**Supplier:**

ACI Materials, Inc.  
44 Castilian Drive  
Goleta, CA 93117  
1 (805) 324-4486

**Emergency Phone Number:**

For emergency health, safety and environmental information, call 1 (805) 570-1071.

### Section 2: Hazards Identification

**Classification of the substance or mixture:**

Eye irritation  
Suspected carcinogen

Category 2



**Symbols:**

**Signal word:** Warning

**Hazard Statements:**

H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.

**Precautionary Statements:**

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/ attention.

**Describe any hazards not otherwise classified:** No additional information.

**Section 3: Composition / Information on ingredients**

Chemical Name	CAS Number	Concentration, %
Carbon Black	1333-86-4	1 – 10
Component "A"	Proprietary	25 – 40

Remaining components are non-hazardous or present in amounts below reportable limits. Exact percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i).

**Section 4: First-aid measures**

**Description of First aid measures**

**General:** If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician / get medical attention.

**Inhalation:** Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact:** Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water. If skin irritation occurs: Get medical advice / attention.

**Eye contact:** Rinse immediately with plenty of water also under the eyelids for at least 15 minutes. Consult a physician.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms/effects, acute and delayed:** The most important known symptoms and effects are described in Section 2. See Section 11 for additional information.

**Indication of immediate medical attention and special treatment needed:** No data available.

#### Section 5: Fire-fighting measures

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the mixture:** Carbon oxides.

**Specific protective equipment and precautions for fire-fighters:** Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

#### Section 6: Accidental release measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment. Wear suitable protective clothing, gloves and eye / face protection. Avoid breathing vapors or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Eliminate ignition sources.

**Methods and materials for containment and cleaning up:** Approach suspected leak areas with caution. Contain spillage. Soak up with inert absorbent material and dispose of as hazardous waste. Place in appropriate chemical waste container. Do not let this chemical enter the environment.

#### Section 7: Handling and storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor. Keep away from sources of ignition. Use under well-ventilated conditions. Provide eyewash fountains and safety showers in the work area.

**Conditions for safe storage, including any incompatibilities:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store this material away from incompatible substances (see section 10). Keep container closed when not in use.

<b>Section 8: Exposure controls/personal protection</b>
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**Control Parameters:**

Component	CAS No.	Value	Control Parameter	Basis
Carbon Black, amorphous	1333-86-4	TWA (inhalable fraction)	3.5 mg / m <sup>3</sup>	EH40 WEL
Carbon Black, amorphous	1333-86-4	STEL (inhalable fraction)	7.0 mg / m <sup>3</sup>	EH40 WEL

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

**Individual protection measures, such as personal protective equipment:**

**Eye / face protection:** Safety glasses with side shields.

**Skin and body protection:** Wear chemical resistant (impervious) gloves. Wear clean, body-covering clothing.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls. If workplace exposures are exceeded respiratory protection should be used.

**Further Information:** Provide readily accessible eye wash stations and safety showers.

<b>Section 9: Physical and chemical properties</b>
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**Appearance:** Black ink.

**Odor:** Mild

**Odor Threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** No data available  
**Initial boiling point and boiling range:** 97 – 235 °C (Lowest boiling point of a component)  
**Flash point:** 109 °C (228 °F) (Lowest flash point of a component)  
**Evaporation rate:** No data available  
**Flammability (solid, gas):** No data available  
**Upper/lower flammability or explosive limits:** No data available  
**Vapor pressure:** No data available  
**Vapor density:** No data available  
**Relative density:** No data available  
**Solubility:** No data available  
**Partition coefficient: n-octanol/water:** No data available  
**Auto-ignition temperature:** No data available  
**Decomposition temperature:** No data available  
**Viscosity:** No data available.  
**Other Information:** Amounts listed are typical and do not represent a specification.

#### Section 10: Stability and reactivity

**Reactivity:** No data available.

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available.

**Conditions to avoid:** Heat, flames and sparks.

**Incompatible materials:** Strong oxidizing agents, acids, bases, peroxides.

**Hazardous decomposition products:** Carbon oxides, isocyanates.

#### Section 11: Toxicological information

**Information on toxicological effects:**

**Information on the likely routes of exposure:** Product test data is not available. Toxicological information appears in this section when the constituent data is available.

**Numerical measures of toxicity:**

<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Species</u>	<u>Dermal LD50</u>	<u>Species</u>
Component "A"	4,290 mg/kg	Rat	5,990 µL/kg	Rabbit

**Symptoms / effects, acute and chronic:** (Hexano-6-lactone): Irritating to eyes.

**Carcinogenicity.**

Carbon black is considered possibly carcinogenic to humans and classified as a IARC Group 2B carcinogen because there is sufficient evidence in experimental animals with inadequate evidence in human epidemiological studies.

**Section 12: Ecological Information**

**Ecotoxicity (aquatic and terrestrial, where available):** There is no data available for this product.

Ecotoxicological information appears in this section when such data is available for the components of the mixture.

<u>Chemical Name</u>	<u>LC50</u>	<u>Species</u>
Component "A"	280mg/L, 96h static	Poecilia reticulata

**Persistence and Degradability** (Hexano-6-lactone): Soluble in water. Persistence is unlikely based on information available.

**Section 13: Disposal Considerations**

Dispose of container and unused contents in accordance with federal, state and local requirements.

**Section 14: Transport Information**

**DOT – (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## Section 15: Regulatory Information

Safety, health and environment regulations / legislation specific for the product:

### U.S. federal and state regulations / legislation:

This SDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 311/312 Health Hazards

See Section 2 for more information.

### SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313

### United States TSCA Inventory

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

### California Proposition 65:

This product contains a chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.  
Carbon black

## Section 16: Other Information

**Revision date:** June 6, 2023.

### Nomenclature:

LC = Lethal concentration

LD = Lethal dose

ND = No Data

STEL = Short Term Exposure Limit

TWA = Time weighted average

WEL = Workplace Exposure Limits

**Other Information**

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**Disclaimer Notice**

This product is a complex mixture of liquids and solids. This SDS was prepared based upon the SDS of the raw materials used in the mixture.

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