

SPI Supplies Division

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Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: April 28, 2015

**SPI # 05075-AB SPI Supplies® Brand Thinner for
Leit-CT CCC Conductive Carbon Cement**

Section 1: Identification

Chemical Name/Synonyms..... Thinner for CCC Carbon Cement

Chemical family..... Organic solvents

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name..... SPI Supplies® Brand Thinner for Leit-CT CCC Conductive Carbon Cement

CAS #'s..... 123-86-4; 108-65-6; 67-64-1; 1330-20-7

Chemical Formula..... Mixture

HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 3)

Specific target organ toxicity – single exposure (Category 3) central nervous system

Eye Irritant (Category 2A)

Acute toxicity (Category 4)

Acute aquatic toxicity (Category 3)

GHS Label Elements

Pictogram



Signal word: Warning

Hazard Statements:

H 225 Highly flammable liquid and vapor

H319 Causes serious eye irritation

H332 Harmful if inhaled

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H402 Harmful to aquatic life

Precautionary statements:

- P210 Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking.
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P300 + P361 + P353 IF ON SKIN: Remover/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P370 + P 378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous Material Information System USA

- Health..... 0
- Fire Hazard..... 3
- Reactivity..... 0
- Personal Protection.....

NFPA Rating (estimated)

- Health..... 0
- Flammability..... 3
- Reactivity..... 0

Section 2: Composition

<u>Ingredient</u>	<u>CAS#</u>	<u>Percentage</u>	<u>EC Number</u>
Butyl acetate	123-86-4	30 – 60 %	204-658-1
Methoxypropyl acetate	108-65-6	20 – 35 %	203-603-9
Acetone	67-64-1	10 – 25 %	200-662-2
Xylene	1330-20-7	2 – 5.5 %	215-535-7

Section 3: Hazard Identification

Emergency overview:

Highly flammable. Harmful by inhalation and in contact with skin. Irritating to eyes and skin.

Physical Health Hazards:

Inhalation of an aerosol of this material can be very harmful; any such use should definitely be done in a chemical fume hood.

Potential Health Effects:

Routes of exposure

Eye contact, ingestion, skin contact, inhalation

Signs and Symptoms of Acute Exposure:

Coughing and irritation of the respiratory system.

Skin contact:

Excessive contact will cause irritation

Inhalation:

Coughing

Eye contact:

Irritation

Ingestion:

Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Health Effects Summary:

Not known

Conditions Aggravated by Exposure:

No known conditions are aggravated by this material.

Section 4: First Aid Measures

Ingestion:

If swallowed, do not induce vomiting

Skin contact

If excessive skin contact with this product occurs, flush immediately with plenty of water, followed by washing with soap and water. If clothing is contaminated with the product, remove clothing, and wash thoroughly to remove all signs of the black product before wearing. If the product residues persist, disposed of such contaminated clothing.

Eye contact

If this product is splashed into the eyes, flush eyes immediately with plenty of water for at least 15 minutes.

Inhalation

If excessive amounts of vapors or mists from this product are inhaled, remove to fresh air. Apply artificial respiration and other supportive measures as required. Consult a poison center, emergency room or long specialist for additional information and guidance.

Section 5: Fire Fighting Measures

Flammability classification:

Highly flammable

Flash Point: Not available

Auto-Ignition Temperature: < 400° C (752° F)

Flammable Limits:

Lower: Not applicable

Upper: Not applicable

Hazardous Combustion Products:

Carbon monoxide and carbon dioxide

Special Conditions to Avoid:

Do not inhale aerosol of this product.

Extinguishing Media:

In general, use the extinguishing media suitable for the surrounding fire since realistically, this product is present only in small quantities. If there fire is strictly involving this product, then

use dry chemicals, CO2, water spray.

Fire Fighting Instructions:

Extinguishing media: Use extinguishing media suitable for the surrounding fire.

Fire and explosion hazard: May evolve toxic fumes in fire or when heated.

Section 6: Accidental Release Measures

Release response:

Shut off all sources of ignition.

Note that surfaces containing this spilled material will be slippery and therefore constitute a slip hazard.

Absorb with inert material (e.g. sand, diatomaceous earth, acid adsorbent, sawdust).

Section 7: Handling and Storage

Handling:

Use only in a chemical fume hood. Keep away from all sources of ignition. Do not smoke when handling this material.

Storage:

Requirements for storage areas and containers: Store in closed containers away from all sources of ignition.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Use only in a chemical fume hood. Do not exceed the threshold limits.

Personal Protection:

Inhalation: Use only in a chemical fume hood.

Skin: Protective clothing such as long sleeves or a lab coat should be worn, especially when working with larger quantities than a small 30 ml bottle.

Eye: Always use safety glasses, even for work with small quantities, such as the making of positive replicas.

Section 9: Physical and Chemical Properties

Physical state: Liquid

Color: Water clear

Odor: Pungent "organic type" odor

Odor threshold: No data available

Boiling Point/Range: Not applicable

pH: Not applicable

Vapor Pressure: Not known

Viscosity: Not known

Specific Gravity:
Liquid (water=1) Not known

Water solubility: Soluble

Melting/Freezing Point: Not known

Evaporation Rate: Not applicable

Section 10: Stability and Reactivity

Chemical Stability: The product is stable and will not polymerize.

Conditions to Avoid: Avoid contact with excessive heat, sparks or open flame or dust accumulation.

Incompatibility with: Strong oxidizing agents.

Hazardous Products of Deposition: Carbon dioxide and carbon monoxide

Reactions with Air and Water: Does not react with air, water or other common materials.

Section 11: Toxicological Information

Be sure not to exceed threshold limits for exposure.

Ingredients with threshold limits values to be monitored:

<u>CAS#</u>	<u>Ingredient</u>	<u>Value, mg/m³</u>
1330-20-7	Xylene	440
67-64-1	Acetone	1200
123-86-4	Butylacetate	950

The CAS Numbers for the components of this product are listed on the 1985 TSCA inventory list.

IARC: CAS# 1330-20-7, Xylene, is listed on the IARC Group 3 List of substances not classifiable as to its human carcinogenicity.

Section 12: Ecological Information

Exotoxicity: Not known

Environmental Fate: No information found in our selected references.

Bioaccumulation: Not known

Section 13: Disposal Considerations

Spill Response:

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under exposure/personal protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source. If this can be done without risk. Take up and containerize for proper disposal as described under disposal. Comply with federal, state, and local regulations on reporting release. Refer to regulatory information for reportable quantity and other regulatory data.

Use only licensed transporters and permitted disposal facilities and conform to all laws.

Section 14: Transport Information

DOT:

Proper Shipping Name: Flammable liquids, n.o.s. (Acetone, Butyl acetates)

Hazard Class: 3 Flammable Liquids

UN/NA ID: UN1993

Packing Group: II

IATA

Proper Shipping Name: FLAMMABLE LIQUIDS, n.o.s. (Acetone, Butyl acetates)

Hazard Class: 3 Flammable Liquids

UN/NA ID: UN1993

Packing Group: II

Marine Pollutant: No

Section 15: Regulatory Information

TSCA: All components of this product are listed on the TSCA 8(b) inventory.

TSCA 12b:

If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

TSCA 12(b) Component: CAS# 67-64-1: 4/12b

Section 302 (RQ)

CAS# 67-64-1: final RQ = 5000 pounds (2270 kg)

SARA Codes

CAS# 123-86-4: Fire hazard, Chronic health hazard

CAS# 67-64-1: Acute, Chronic, Flammable

CAS# 1330-20-7: Fire hazard, acute health hazard, chronic health hazard

SARA-Section 313 Emissions Reporting:

Component	Reporting Threshold
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SARA-Section 311/312: No components present in this product are subject to the reporting requirements of this statute.

CERCLA Hazardous Substances and their Reportable Quantities:

Component	Reportable Quantity
1330-20-7	100
123-86-4	5,000
67-64-1	5,000

STATE:

CAS# 123-86-4, CAS# 67-64-1, CAS# 108-65-6 and CAS# 1330-20-7 can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts.

California Prop. 65:

Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

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