

## 1. Product and Company Identification

**Material name** SP-505  
**Revision date** 05-23-2011  
**Version #** 01  
**CAS #** Mixture  
**Product use** Industrial use.  
**Manufacturer/Supplier** ADCO Products  
 4401 Page Ave, P.O. Box 457  
 Michigan Center, MI 49254  
 US  
 General Information: 517-764-0334  
**Emergency** 24-Hour Emergency: Chemtrec 1-800-424-9300

## 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Tacky black solid.  
**Emergency overview** Low hazard for usual industrial or commercial handling by trained personnel.  
**OSHA regulatory status** This product is not hazardous according to OSHA 29CFR 1910.1200.  
**Potential health effects**  
**Eyes** Direct contact with eyes may cause temporary irritation.  
**Skin** No adverse effects due to skin contact are expected.  
**Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.  
**Ingestion** No harmful effects expected in amounts likely to be ingested by accident.  
**Potential environmental effects** The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Calcium carbonate	471-34-1	<10
Calcium oxide	1305-78-8	<10
Carbon black	1333-86-4	<10
Talc	14807-96-6	<10
Zinc oxide	1314-13-2	<5

**Composition comments** Any pigments or fillers in this product which may be considered "Hazardous" are potentially hazardous only if inhaled as an air-borne dust. Exposure by these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.  
**Skin contact** Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.  
**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.  
**Ingestion** Seek medical advice.

## 5. Fire Fighting Measures

**Flammable properties** No unusual fire or explosion hazards noted.

**Extinguishing media****Suitable extinguishing media**Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).**Fire fighting equipment/instructions**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Hazardous combustion products**

Carbon oxides.

**6. Accidental Release Measures****Personal precautions**

Wear appropriate personal protective equipment (See Section 8).

**Methods for cleaning up**

Sweep or scoop up and remove.

**7. Handling and Storage****Handling**

Observe good industrial hygiene practices.

**Storage**

Keep container closed.

**8. Exposure Controls / Personal Protection****Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	TWA	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Zinc oxide (1314-13-2)	STEL	10 mg/m <sup>3</sup>	Respirable fraction.
	TWA	2 mg/m <sup>3</sup>	Respirable fraction.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Calcium carbonate (471-34-1)	PEL	5 mg/m <sup>3</sup>	Respirable fraction.
		15 mg/m <sup>3</sup>	Total dust.
Calcium oxide (1305-78-8)	PEL	5 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	PEL	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	0.1 mg/m <sup>3</sup>	Respirable.
		2.4 mppcf	Respirable.
		20 mppcf	
		0.3 mg/m <sup>3</sup>	Total dust.
Zinc oxide (1314-13-2)	PEL	15 mg/m <sup>3</sup>	Total dust.
		5 mg/m <sup>3</sup>	Respirable fraction.
		5 mg/m <sup>3</sup>	Fume.

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value	Form
Calcium carbonate (471-34-1)	TWA	10 mg/m <sup>3</sup>	
Calcium oxide (1305-78-8)	TWA	2 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	TWA	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable particles.
Zinc oxide (1314-13-2)	STEL	10 mg/m <sup>3</sup>	Respirable.
	TWA	2 mg/m <sup>3</sup>	Respirable.

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
Calcium carbonate (471-34-1)	STEL	20 mg/m <sup>3</sup>	Total dust.
	TWA	10 mg/m <sup>3</sup>	Total dust.
		3 mg/m <sup>3</sup>	Respirable fraction.
Calcium oxide (1305-78-8)	TWA	2 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	TWA	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	2 mg/m <sup>3</sup>	Respirable.

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
Zinc oxide (1314-13-2)	STEL	10 mg/m <sup>3</sup>	Respirable.
	TWA	2 mg/m <sup>3</sup>	Respirable.

**Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	TWA	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	2 ppm	
		2 mg/m <sup>3</sup>	Respirable.
Zinc oxide (1314-13-2)	STEL	10 mg/m <sup>3</sup>	Respirable.
	TWA	2 mg/m <sup>3</sup>	Respirable.

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value	Form
Calcium carbonate (471-34-1)	TWA	10 mg/m <sup>3</sup>	Total dust.
Calcium oxide (1305-78-8)	TWA	2 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	TWA	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	3 mg/m <sup>3</sup>	Respirable dust.
Zinc oxide (1314-13-2)	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	10 mg/m <sup>3</sup>	Total dust.
		5 mg/m <sup>3</sup>	Fume.

**Mexico. Occupational Exposure Limit Values**

Components	Type	Value	Form
Calcium carbonate (471-34-1)	STEL	20 mg/m <sup>3</sup>	
	TWA	10 mg/m <sup>3</sup>	
Calcium oxide (1305-78-8)	TWA	2 mg/m <sup>3</sup>	
Carbon black (1333-86-4)	STEL	7 mg/m <sup>3</sup>	
	TWA	3.5 mg/m <sup>3</sup>	
Talc (14807-96-6)	TWA	2 fibers/cm <sup>3</sup>	
Zinc oxide (1314-13-2)	STEL	10 mg/m <sup>3</sup>	Fume.
	TWA	5 mg/m <sup>3</sup>	Fume.
		10 mg/m <sup>3</sup>	Dust.

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye / face protection** Wear safety glasses with side shields (or goggles).

**Skin protection** Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical & Chemical Properties**

<b>Appearance</b>	Tacky black solid.
<b>Color</b>	Black.
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Solid.

<b>pH</b>	Not applicable.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	> 392 °F (> 200 °C)
<b>Evaporation rate</b>	Not applicable.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Specific gravity</b>	0.97
<b>Solubility (water)</b>	Insoluble.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	< 0.7 %

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Sensitization</b>	No sensitizing effects known.
<b>Carcinogenicity</b>	Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

### ACGIH Carcinogens

Carbon black (CAS 1333-86-4)

A4 Not classifiable as a human carcinogen.

Talc (CAS 14807-96-6)

A4 Not classifiable as a human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

Talc (CAS 14807-96-6)

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

## 12. Ecological Information

### Ecotoxicological data

#### Components

#### Test Results

Zinc oxide (1314-13-2)

LC50 Water flea (Daphnia magna): 0.098 mg/l 48 Hours

#### Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

#### Persistence and degradability

No data available.

#### Bioaccumulation / Accumulation

No data available.

#### Partition coefficient (n-octanol/water)

Not available.

**Mobility in environmental media** No data available.

### 13. Disposal Considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

#### TDG

Not regulated as dangerous goods.

### 15. Regulatory Information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

#### TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Zinc oxide (CAS 1314-13-2) 1.0 % N982

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Zinc oxide (CAS 1314-13-2) N982 Listed.

#### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)** No

**Section 311/312 (40 CFR 370)** No

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)** Not controlled

**WHMIS status** Non-controlled

#### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** WARNING: This product contains chemicals known to the State of California to cause cancer.

**US - California Hazardous Substances (Director's): Listed substance**

Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Talc (CAS 14807-96-6)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Carbon black (CAS 1333-86-4)	Listed.
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**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Carbon black (CAS 1333-86-4)	Listed: February 21, 2003 Carcinogenic.
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**US - Massachusetts RTK - Substance: Listed substance**

Calcium carbonate (CAS 471-34-1)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Talc (CAS 14807-96-6)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.

**US - New Jersey Community RTK (EHS Survey): Reportable threshold**

Zinc oxide (CAS 1314-13-2)	500 LBS
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**US - New Jersey RTK - Substances: Listed substance**

Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Talc (CAS 14807-96-6)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Calcium carbonate (CAS 471-34-1)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Talc (CAS 14807-96-6)	Listed.
Zinc oxide (CAS 1314-13-2)	Listed.

## 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**  
 Health: 1  
 Flammability: 1  
 Physical hazard: 0

**NFPA ratings**  
 Health: 1  
 Flammability: 1  
 Instability: 0

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