

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b> SPEC-Seal		<b>DATE:</b> April 13, 2009	
<b>PRODUCT NUMBER:</b>			
TRADE NAME: SPEC-Seal GENERAL USE: Pavement sealer CHEMICAL FAMILY: Blend Coal Tar With clay and other agents. PRODUCT DESCRIPTION: Brownish or black viscous liquid, coal tar odor.	 of Western New York, Inc.		
<b>MANUFACTURER</b> Cosmicoat of Western New York, Inc		DATE PREPARED: April 13, 2009	
TELEPHONE NUMBER (General Inquiries) <b>716-772-2644</b>		SUPERSEDES: May 5, 2008	
ADDRESS (NUMBER, STREET, P.O. BOX) 8419 East Avenue (CITY, STATE AND ZIP CODE) COUNTRY Gasport, New York 14067 USA		<b>CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS</b>	
		1-800-255-3924 North America (Toll Free)	813-248-0585 International and Local Calls

## SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
<b>Refined coal tar pitch (a)</b>	<b>15 - 40</b>	<b>65996-93-2</b>	<b>266-028-2</b>	<b>T</b>	<b>R-45</b>
<b>Aluminum silicate hydroxide</b>	<b>10 - 30</b>	<b>1332-58-7</b>	<b>310-127-6</b>	<b>None</b>	<b>None</b>

**(a) Indicates substance appears on National Toxicology Program (NTP) list of carcinogens, International Agency for Research on Cancer (IARC) list of carcinogens or is regulated by the Occupational Safety and Health Administration (OSHA) as a possible carcinogen.**

**NOTES:** This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 91/155/EEC. Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 91/155/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

## SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**  
Brownish to black liquid, characteristic coal tar hydrocarbon odor, potentially hazardous vapors. Can cause eye and skin irritation upon contact. Inhalation of vapors can cause anesthetic effect leading to death in poorly ventilated areas. Harmful if swallowed and/or aspirated into the lungs.

<b>US HAZARD SYMBOL(S)</b>  <b>None</b>	<b>EUROPEAN (GHS) HAZARD SYMBOLS</b>	
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<b>HMIS HAZARD RATINGS</b>		
<b>HEALTH:</b>	<b>2</b>	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
<b>FLAMMABILITY:</b>	<b>1</b>	
<b>PHYSICAL HAZARD:</b>	<b>0</b>	

**REQUIRED PERSONAL PROTECTIVE EQUIPMENT:**

<b>HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER:</b>	<b>B</b>		Safety glasses and appropriate gloves are suggested safety equipment for this product.
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**RISK PHRASES**  
**R20:** Harmful by inhalation.  
**R36/37:** Irritating to eyes and skin.  
**R45:** May cause cancer.

**SAFETY PHRASES**  
**S45:** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
**S53:** Avoid exposure-obtain special instructions before use.

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## **SECTION 3 - HAZARDS IDENTIFICATION (Continued)**

### **POTENTIAL HEALTH EFFECTS**

**INHALATION:**

High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

**SKIN:**

Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

**EYES:**

High vapor concentration or contact may cause irritation and discomfort.

**INGESTION:**

May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

**CARCINOGENICITY:**

NTP? <b>Yes</b>	IARC MONOGRAPHS? <b>Yes</b>	OSHA REGULATED? <b>Yes</b>
CALIFORNIA, Prop.65? <b>No</b>		ESIS NOTATION? <b>Yes</b>

## **SECTION 4 - FIRST AID MEASURES**

**INHALATION:**

Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

**EYES:**

Remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek immediate medical attention.

**SKIN:**

Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

**INGESTION:**

DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

## **SECTION 5 - FIRE FIGHTING MEASURES**

**GENERAL HAZARDS:**

Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

**EXTINGUISHING MEDIA:**

Carbon dioxide, water, water fog, dry chemical, chemical foam.

**FIRE FIGHTING PROCEDURES:**

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, fumes, carbon monoxide, carbon dioxide.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Evacuate all non-trained personnel. Ventilate area. Confine spill, soak up with approved absorbent, shovel product into approved container for disposal by licensed facility. Wash area with plenty of water. Do not discharge into lakes, ponds, streams or public waters.

## **SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3
Refined coal tar pitch		0.1				0.2	0.2 mg/m <sup>3</sup> (benzene solubles)	
Aluminum silicate hydroxide		10.5*				2		

## PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

None required while threshold limits are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

### PROTECTIVE GLOVES:

Neoprene, nitrile or rubber gloves with cuffs.

### EYE PROTECTION:

Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Safety eyewash station nearby.

### WORK / HYGIENIC PRACTICES:

Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Brownish or black viscous liquid, coal tar odor.	VAPOR PRESSURE 17 mm Hg @ 100° F
pH 7.0 - 8.0	SPECIFIC GRAVITY (WATER = 1) 1.10 - 1.30
BOILING POINT > 212° F (> 100° C)	SOLUBILITY IN WATER Miscible
FLASH POINT Non-flammable	VISCOSITY NR
FLAMMABLE LIMITS LEL: None UEL: None	VAPOR DENSITY (AIR = 1) > 1
AUTOIGNITION TEMPERATURE NE	EVAPORATION RATE (WATER = 1) < 1
VOLATILE ORGANIC COMPOUND (VOC) INFORMATION NA	

## SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE X	CONDITIONS TO AVOID: Extreme temperatures.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids, strong oxidizers	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, Carbon Monoxide and carbon dioxide, hydrocarbons, fumes and smoke may be produced.	
HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Refined coal tar pitch	65996-93-2	NE	NE
	266-028-2		
Aluminum silicate hydroxide	1332-58-7	Oral - rat 590 gm / kg	NE
	310-127-6		

## SECTION 12 - ECOLOGICAL INFORMATION

**None available for this blended product. Do not discharge product to watercourses.**

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## SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:**  
 Dispose of in accordance with Local, State, and Federal Regulations. This product may produce concentrated hazardous vapors or fumes in a disposal container creating a dangerous environment. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway.

## SECTION 14 - TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** **Not Regulated**

DOT HAZARD CLASS / Pack Group: <b>Not Regulated</b> REFERENCE: <b>49CFR</b> UN / NA IDENTIFICATION NUMBER: <b>NA</b> LABEL: <b>NA</b> HAZARD SYMBOLS: <b>NA</b>	IATA HAZARD CLASS / Pack Group: <b>NA, Not Regulated</b> IMDG HAZARD CLASS: <b>Not Regulated</b> RID/ADR Dangerous Goods Code: <b>Not Regulated</b> UN TDG Class / Pack Group: <b>NA,</b> Hazard Identification Number (HIN): <b>NA</b>
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Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

## SECTION 15 - REGULATORY INFORMATION

**TSCA (USA - Toxic Substance Control Act):** **All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory.**

**SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):**  
 Acute Health: **Yes**      Chronic Health: **Yes**      Reactive: **NO**  
 Fire: **NO**      Sudden Release of Pressure: **NO**      Fire: **NO**

**SARA 313 REPORTABLE INGREDIENTS:** **None**

**CERCLA (USA - Comprehensive Response Compensation and Liability Act):** **NO RQ's listed for this product.**

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:** **WARNING: This product contains Silica, crystalline, quartz , a chemical known to the state of California to cause cancer.**

**CPR (Canadian Controlled Products Regulations):** **WHMIS Classification: D1A. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

**IDL (Canadian Ingredient Disclosure List):** **Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.**

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):** **Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.**

**EINECS (European Inventory of Existing Commercial Chemical Substances):** **Referenced.**

**WGK Water Quality Index:** **1**

## SECTION 16 - OTHER INFORMATION

**Legend:**

- ACGIH - American Congress of Government Industrial Hygienists
- CAS - Chemical Abstracts Service
- EINECS- European Inventory of Existing Commercial Chemical Substances
- HMSIS - Hazardous Materials Identification System
- IARC - International Agency for Research on Cancer
- NA - Not Available      ND - Not Determined
- NE - Not Established      NR - Not Reported
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration

**REVISION SUMMARY:** Revised to GHS/EU protocols 04/13/2009 supersedes 5/5/2008 issue. --JTV---

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.