



# SAFETY DATA SHEET

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: WP-42 Sheet Membrane Mastic

Product Code: 50-WP42-56

### WESTCOAT SPECIALTY COATING SYSTEMS

4007 Lockridge St  
San Diego, CA 92102

Information Telephone: 800-250-4519

Emergency Telephone: 800-424-9300

## Section 2 - HAZARDS IDENTIFICATION

### GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2B	Mild eye irritant: Subcategory 2B, Reversible in 7 days
Reproductive toxin	1A	Based on human evidence
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm <sup>2</sup> /s at 40° C.

### GHS Hazards

H225	Highly Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315+H320	Causes skin and eye irritation
H360	May damage fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
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/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention

P337+P313  
P405  
P403+P235

If eye irritation persists, get medical advice/attention  
Store locked up  
Store in a well ventilated place. Keep cool

**Signal Word: Danger**



### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Talc	14807-96-6	30.00% - 40.00%
Asphalt	8052-42-4	20.00% - 30.00%
Toluene	108-88-3	10.00% - 20.00%

### Section 4 - FIRST AID MEASURES

#### **First aid measures for different exposure routes**

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

**EYE CONTACT:** Immediately flush eyes with plenty of water for a least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cups full of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively.

### Section 5 - FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Based on the NFPA guide, use dry chemical, alcohol foam, carbon dioxide, or other extinguishing agent suitable for class B fires. Use water to cool containers exposed to fire. For large fires, use water spray or fog, thoroughly drenching the burning material.

**SPECIAL FIREFIGHTING PROCEDURES:** Water maybe ineffective. Fire fighters should wear self-contained, NIOSH-approved breathing apparatus and full protective clothing. Fire or intense heat may cause violent rupture of packages. In the event of fire, cool tanks with water spray. Do no use a solid water stream as it may scatter and spread fire. After fire, flush area with water to prevent re-ignition. Do not allow run-off from firefighting to enter drains or watercourses.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** This product is flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat.

EXPLOSION DATA (sensitivity to mechanical impact or static discharge): Flammable vapors may be ignited by static spark. Electrically bond and ground containers for product transfer.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use protective equipment. Ensure adequate ventilation. Remove sources of ignition, cover with inert absorbent material and remove to disposal container. Obey all federal, state and local laws. This is a RCA hazardous waste per title 40 CFR 261, classified 12 D001.

WASTE DISPOSAL METHODS: Obey relevant federal, state and local laws. Do not contaminate any lakes streams, ponds or underground water supplies.

PRECAUTIONS: Avoid personal contact. Keep out of reach of children. Remove all sources of ignition. Ensure adequate ventilation.

## Section 7 - HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING: (Always wear recommended personal equipment.) Ensure all equipment is electrical grounded before beginning transfer operations. Ensure adequate ventilation. Do not allow product to contact skin, eyes and clothing. Do not breathe vapors. Keep away from fire, sparks and heated surfaces.

CONDITIONS FOR SAFE STORAGE: Store in accordance with regulations for the storage of flammable liquids. Do not store above 49°C (120°F). Store in a dry, well ventilated area away from heat, direct sunlight and all sources of ignition. Store away from oxidizers and acids.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Talc 14807-96-6	Not Established	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Quartz, respirable dust)
Asphalt 8052-42-4	Not Established	0.5 mg/m <sup>3</sup> TWA (fume, inhalable fraction, as benzene soluble aerosol)	NIOSH: 5 mg/m <sup>3</sup> Ceiling (fume, 15 min)
Toluene 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m <sup>3</sup> TWA 150 ppm STEL; 560 mg/m <sup>3</sup> STEL

### Individual protection measures, such as personal protective equipment

RESPIRATION PROTECTION: If it is possible to generate significant levels of vapor or mists, a NIOSH approved or equivalent respirator is recommended.

VENTILATION: General ventilation is recommended. Additional local exhaust ventilation is recommended where vapors, mists or aerosols may be released.

PROTECTIVE GLOVES: Impermeable gloves to minimize skin contact.

EYE PROTECTION: Chemical splash goggles or full-face shield.

PROTECTIVE EQUIPMENT: Wear impervious gloves, apron & splash goggles where exposure is possible.

HYGIENE PRACTICES: Wash contaminated clothes before reuse.

PRECAUTIONS: Avoid personal contact; keep out of reach of children, wash hands before eating or smoking. Do not puncture, drop or slide containers closed.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<p><b>Appearance</b> : Viscous liquid</p> <p><b>Odor threshold</b> : 1.6 ppm (Toluene)</p> <p><b>Melting point</b> : N/A</p> <p><b>Flash Pt(F/C)</b> : N/A</p> <p><b>Flammability (solid, gas)</b> : Flammable</p> <p><b>Vapor pressure</b> : 16.7 mmHg @ 20°C (Toluene)</p> <p><b>Relative density</b> : N/A</p> <p><b>Partition coefficient:n- octanol/water</b> :</p> <p><b>Decomposition temp</b> : N/A</p>	<p><b>Odor</b> : Aromatic</p> <p><b>PH</b> : N/A</p> <p><b>Boiling point</b> : 111°C (232°F) (Toluene)</p> <p><b>Evaporation rate</b> : 2.24 (Toluene) (n-butyl acetate=1)</p> <p><b>LEL/UEL</b> : LEL: 1.2% / UEL: 7.1%</p> <p><b>Vapor density</b> : 3.14 (Toluene)</p> <p><b>Solubility</b> : Insoluble</p> <p><b>Autoignition temp</b> : N/A</p> <p><b>Viscosity</b> : N/A</p>
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### Section 10 - STABILITY AND REACTIVITY

STABILITY: Stable, but decomposition can occur at elevated temperatures.

CONDITIONS TO AVOID: Dried resin solids can be flammable in the presence of the following materials or conditions: Open flames, sparks, static discharge, and heat.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, acrolein, ketones, benzaldehydes, aldehydes and other organic compounds.

### Section 11 - TOXICOLOGICAL INFORMATION

#### Mixture Toxicity

Inhalation Toxicity LC50: 63mg/L

#### Component Toxicity

108-88-3

Toluene

Oral LD50: 2,600 mg/kg (Rat) Inhalation LC50: 13 mg/L (Rat)

Exposure to this material may affect the following organs:

**INGESTION:** Ingestion may cause mucous membrane and gastrointestinal irritation and nervous system depression with symptoms of headache, dizziness, nausea, narcosis and unconsciousness. Aspiration into the lungs during ingestion or vomiting may cause serious lung damage which may be fatal.

**INHALATION:** Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness, nausea, vomiting, disorientation, stupor and unconscious. Severe overexposures may cause respiration depression and death. Hydrogen sulfide will evolve from asphalt and collect in the headspace of containers. Hydrogen sulfide is irritating to the eyes and respiratory tract at low concentrations. High concentrations of hydrogen sulfide can cause respiratory arrest and death.

**EYE:** Contact may cause irritation.

**SKIN:** Repeated or prolonged contact may cause irritation, drying and defatting. The liquid may be absorbed through the skin causing effects similar to those described under inhalation and ingestion .

**SENSITIZATION:** This product is not expected to cause sensitization .

**CHRONIC/CARCINOGENICITY:** Prolonged overexposure may cause cardiac sensitization, effects on hearing and damage to the nervous system, blood system, liver and kidneys. Prolonged intentional toluene abuse may damage many organ systems including: central and peripheral nervous systems, vision, hearing, liver, kidneys, heart and blood. Such abuse has been associated with brain damage characterized by disturbances in gait, personality changes and loss of memory. Toluene has been found to cause adverse reproductive effects and/or birth defects in studies with laboratory animals. Prolonged inhalation of talc dust may cause lung damage (pulmonary fibrosis), however, the talc in this product is bound in a polymer matrix and dust exposure would not be expected.

**MUTAGENICITY:** Toluene have tested positive for mutagenicity in some test systems .

**SYNERGISTIC PRODUCTS:** None specifically known. Products containing chemicals that effect the same target organ systems would be expected to have synergistic effects; for example other solvent containing products .

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Employees with pre-existing skin, liver and kidney disease may be at increased risk from exposure.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
8052-42-4	Asphalt	20 to 30%	Asphalt: NIOSH: potential occupational carcinogen (roofing asphalt fumes & asphalt-based paints, listed under Asphalt fumes) IARC: Possible human carcinogen OSHA: listed

## Section 12 - ECOLOGICAL INFORMATION

### Component Ecotoxicity

Talc

96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]

Toluene

96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old) ; 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static]
48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L
96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

**Section 13 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS: Obey relevant federal, state and local laws. Do not contaminate any lakes streams, ponds or underground water supplies.

**Section 14 - TRANSPORT INFORMATION**

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Resin Solution	UN1866	II	3

**Section 15 - REGULATORY INFORMATION**

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** WARNING!

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

108-88-3 Toluene 10 to 20 %

**CERCLA-SARA Hazard Category:** This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

108-88-3 Toluene 10 to 20 %

**Sara Section 313:** This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

- None

**Section 16 - OTHER INFORMATION**

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="2"/>	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard <b>0 = INSIGNIFICANT</b> <b>1 = SLIGHT</b> <b>2 = MODERATE</b> <b>3 = HIGH</b>
<b>FLAMMABILITY</b>	<input type="text" value="3"/>	
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>	
<b>PERSONAL PROTECTION</b>	<input type="text" value="X"/>	

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