

SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sheet Membrane Primer

Product Code: MK-61

WESTCOAT SPECIALTY COATING SYSTEMS

4007 Lockridge St
San Diego, CA 92102

Information Telephone: 844-537-7203

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	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H225	Highly Flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious 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
P362	Take off contaminated clothing and wash before reuse
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	If eye irritation persists, get medical advice/attention
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool

Signal Word: Danger



Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Asphalt	8052-42-4	40.00% - 50.00%
Xylenes (o-, m-, p- isomers)	1330-20-7	30.00% - 40.00%
Acetone	67-64-1	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
Asphalt 8052-42-4	Not Established	0.5 mg/m ³ TWA (fume, inhalable fraction, as benzene soluble aerosol)	NIOSH: 5 mg/m ³ Ceiling (fume, 15 min)
Xylenes (o-, m-, p- isomers) 1330-20-7	100 ppm TWA; 435 mg/m ³ TWA	150 ppm STEL 100 ppm TWA	Not Established
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m ³ TWA	500 ppm STEL 250 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m ³ TWA

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>Appearance : Viscous liquid</p> <p>Odor threshold : 1ppm (Xylene) / 62ppm (Acetone)</p> <p>Melting point : N/A</p> <p>Flash Pt(F/C) : N/A</p> <p>Flammability (solid, gas) : Flammable</p> <p>Vapor pressure : N/A</p> <p>Relative density : N/A</p> <p>Partition coefficient:n- N/A octanol/water :</p> <p>Decomposition temp : N/A</p>	<p>Odor : Solvent</p> <p>PH : N/A</p> <p>Boiling point : 56.5°C (133°F) (Acetone)</p> <p>Evaporation rate : 11.6 (Acetone) (n-butyl acetate=1)</p> <p>LEL/UEL : LEL: 1.1% (Xylene) UEL: 12.8% (Acetone)</p> <p>Vapor density : 3.6 (Xylene)</p> <p>Solubility : Partially</p> <p>Autoignition temp : N/A</p> <p>Viscosity : N/A</p>
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Section 10 - STABILITY AND REACTIVITY

STABILITY: Stable under normal storage and handling conditions.

CONDITIONS TO AVOID: High temperatures, open flame.

INCOMPATIBILITY: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

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: 66mg/L

Component Toxicity

1330-20-7 Xylenes (o-, m-, p- isomers)
Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 29 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. Xylene has been found to cause adverse reproductive effects and/or birth defects in studies with laboratory animals .

MUTAGENICITY: Xylene and acetone 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	40 to 50%	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

Xylenes (o-, m-, p- isomers)

96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]
48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Acetone

96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L
48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L

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	Paint Related Material	UN1263	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:

1330-20-7 Xylenes (o-, m-, p- isomers) 30 to 40 %

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:

1330-20-7 Xylenes (o-, m-, p- isomers) 30 to 40 %

67-64-1 Acetone 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)

HEALTH	2	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	3	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	X	

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