

SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyurethane Caulking Product Code: MK-90

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:

Inhalation Toxicity	Acute Tox. 4	Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal
Carcinogen	2	Limited evidence of human or animal carcinogenicity

GHS Hazards

H313	May be harmful in contact with skin
H333	May be harmful if inhaled
H351	Suspected of causing cancer

GHS Precautions

P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with soap and water
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
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P403	Store in a well ventilated place
P405	Store locked up

Signal Word: Warning



Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Glycidoxypropyltrimethoxysilane	2530-83-8	0.10% - 1.00%
4,4'-Methylenediphenyl diisocyanate	101-68-8	0.10% - 1.00%
Xylenes (o-, m-, p- isomers)	1330-20-7	0.10% - 1.00%

Section 4 - FIRST AID MEASURES

First aid measures for different exposure routes

INHALATION: If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.

EYE CONTACT: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

INGESTION: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

GENERAL INFORMATION: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 the accident.

Section 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: CO₂, Sand, extinguishing powder. Do not use water.

UNSUITABLE EXTINGUISHING MEDIA: Water with full jet. Keep away from sources of ignition.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Methods and materials for containment and clean up

Prevent entry into waterways, sewer, basements or confined areas. Ventilate area of spill; flood slowly with water to polymerase, absorb with sand / earth and dispose to chemical waste bin. Dispose in accordance with pertinent national legislation.

Section 7 - HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING: Avoid contact and inhalation of the vapor does not eat or drinking while working do not smoke while working.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed and dry in a cool, well-ventilated place. Keep away from food, beverages and animal feedstock. Protect from frost. Protect from heat and direct sunlight. Protect from atmospheric moisture and water.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Glycidoxypropyltrimethoxysilane 2530-83-8	Not Established	Not Established	Not Established
4,4'-Methylenediphenyl diisocyanate 101-68-8	Not Established	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))	NIOSH: 0.005 ppm TWA (listed under Methylene bisphenyl isocyanate); 0.05 mg/m ³ TWA 0.020 ppm Ceiling (10 min); 0.2 mg/m ³ Ceiling (10 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

Individual protection measures, such as personal protective equipment

GENERAL HYGIENE CONSIDERATIONS: When using, do not eat, drink or smoke. 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. Use barrier skin cream. Avoid contact with eyes and skin. Take care for sufficient ventilation or exhaust on the workshop place. Observe any medical surveillance requirements.

EYE/FACE PROTECTION: Wear safety glasses unless full face respirator is in use.

SKIN/HAND PROTECTION: Butyl rubber/nitrile rubber gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<p style="text-align: center;">Odor threshold : N/A</p> <p style="text-align: center;">Melting point : N/A</p> <p style="text-align: center;">Flash Pt(F/C) : N/A</p> <p style="text-align: center;">Flammability (solid, gas) : N/A</p> <p style="text-align: center;">Vapor pressure : N/A</p> <p style="text-align: center;">Relative density : 1.23</p>	<p style="text-align: center;">PH : N/A</p> <p style="text-align: center;">Boiling point : N/A</p> <p style="text-align: center;">Evaporation rate : N/A</p> <p style="text-align: center;">LEL/UEL : N/A</p> <p style="text-align: center;">Vapor density : N/A</p> <p style="text-align: center;">Solubility : Reacts with water</p>
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Partition coefficient:n- N/A octanol/water : Decomposition temp : N/A Appearance : Paste	Autoignition temp : N/A Viscosity : N/A Odor : Characteristic
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Section 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No hazardous reactions when stored and handled according to prescribed instructions .

CHEMICAL STABILITY: This material is thermally stable when stored and used as directed .

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, smoke and other toxic fumes.

HAZARDOUS REACTIONS: No information available.

Section 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity
Component Toxicity

101-68-8	4,4'-Methylenediphenyl diisocyanate Inhalation LC50: 369 mg/m3 (Rat)
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:

Effects of Overexposure

INHALATION: May cause damage to organs through prolonged or repeated exposure by inhalation . Inhalation may cause respiratory irritation. Prolonged inhalation may be harmful.

SKIN CONTACT: May cause skin irritation.

EYE CONTACT: May cause eye irritation.

SENSITIZATION: Allergenic reaction can occur with sensitive persons.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
101-68-8	4,4'-Methylenediphenyl diisocyanate	.1 to 1.0%	
1330-20-7	Xylenes (o-, m-, p- isomers)	.1 to 1.0%	

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

Section 13 - DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

LOCAL DISPOSAL REGULATIONS: Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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	Non-Regulated Material			

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) 0.1 to 1.0 %

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) 0.1 to 1.0 %

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

Westcoat Specialty Coating Systems believes, to the best of its knowledge, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Westcoat Specialty Coating Systems makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.

Date Prepared: 10/7/19