

## SAFETY DATA SHEET

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Slip Resistant Additive

Product Code: MK-86

#### 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:

Eye corrosive

2B

Mild eye irritant: Subcategory 2B, Reversible in 7 days

#### GHS Hazards

H320

Causes eye irritation

#### GHS Precautions

P264

Wash ... thoroughly after handling

P305+P351+P338

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

P337+P313

If eye irritation persists, get medical advice/attention

**Signal Word: Warning**

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
2,5,8,10-Tetraoxatridec-12-enoic acid, 9-oxo-, 2-propenyl ester, homopolymer	25656-90-0	90.00% - 100.00%

### 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: Immediately rinse mouth and drink plenty of water. Call an ambulance and take these instructions. Get medical attention if symptoms occur.

GENERAL INFORMATION: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Upper respiratory tract irritation. Coughing. Discomfort in the chest. Shortness of breath. Wheezing. Skin irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## Section 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog, Foam, Dry chemical powder, Carbon dioxide (CO<sub>2</sub>)

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: During fire, gases hazardous to health may be formed.

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

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS: Move containers from fire area if you can do so without risk.

SPECIFIC METHODS: Use standard firefighting procedures and consider the hazards of other involved materials.

GENERAL FIRE HAZARDS: No unusual fire or explosion hazards noted.

## 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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### **Methods and materials for containment and clean up**

Stop the flow of material, if this is without risk. If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner. Minimize dust generation and accumulation. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

### **Environmental Precautions**

Avoid discharge into drains or water courses.

## Section 7 - HANDLING AND STORAGE

PRECAUTION FOR SAFE HANDLING: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide appropriate exhaust ventilation at places where dust is formed. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

CONDITIONS FOR SAFE STORAGE: Keep from freezing. Store in a dry, well ventilated place. Keep container tightly closed when not in use.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2,5,8,10-Tetraoxatridec-12-enoic acid, 9-oxo-, 2-propenyl ester, homopolymer 25656-90-0	Not Established	Not Established	Not Established

EXPOSURE GUIDELINES: Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

APPROPRIATE ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. Eye wash facilities and emergency shower must be available when handling this product.

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

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

SKIN/HAND PROTECTION: Wear appropriate chemical resistant gloves.

OTHER: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

RESPIRATORY PROTECTION: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

THERMAL HAZARDS: Wear appropriate thermal protective clothing, when necessary.

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. Observe any medical surveillance requirements.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<p><b>Appearance</b> : Clear Solid</p> <p><b>Odor threshold</b> : N/A</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> : N/A</p> <p><b>Vapor pressure</b> : N/A</p> <p><b>Relative density</b> : 1.31</p> <p><b>Partition coefficient:n- octanol/water</b> :</p> <p><b>Decomposition temp</b> : N/A</p>	<p><b>Odor</b> : Odorless</p> <p><b>PH</b> : 5.19</p> <p><b>Boiling point</b> : N/A</p> <p><b>Evaporation rate</b> : N/A</p> <p><b>LEL/UEL</b> : N/A</p> <p><b>Vapor density</b> : N/A</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**

CONDITIONS TO AVOID: Avoid temperatures exceeding the decomposition temperature . Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

REACTIVITY: The product is stable and non-reactive under normal conditions of use, storage and transport .

CHEMICAL STABILITY: Material is stable under normal conditions .

POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reaction known under conditions of normal use .

INCOMPATIBLE MATERIALS: Powerful oxidizers.

HAZARDOUS DESCOMPOSITION PRODUCTS: Smoke, propane, carbon dioxide.

**Section 11 - TOXICOLOGICAL INFORMATION**

**Mixture Toxicity**  
**Component Toxicity**

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 of dusts may cause respiratory irritation. Prolonged inhalation may be harmful.

SKIN CONTACT: Causes skin irritation.

EYE CONTACT: Causes eye irritation.

INGESTION: Swallowing may cause gastrointestinal irritation.

**Symtoms related to the physical, chemical and toxicological**

CHARACTERISTICS: Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Upper respiratory tract irritation. Coughing. Discomfort in the chest. Shortness of breath. Wheezing. Skin irritation.

**Information on toxicological effects**

ACUTE TOXICITY: May cause respiratory irritation.

SKIN CORROSION / IRRITATION: Causes skin irritation.

EYE DAMAGE / EYE IRRITATION: Causes eye irritation.

**Section 12 - ECOLOGICAL INFORMATION**

**Component Ecotoxicity**

None

**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.

WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**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:

- None

**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:

- None

**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</b> <b>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="0"/>	
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>	
<b>PERSONAL PROTECTION</b>	<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.

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