

**westcoat**

SAFETY DATA SHEET

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tidalstone Aggregate - All Colors

Product Code: 68-TC62

WESTCOAT SPECIALTY COATING SYSTEMS4007 Lockridge St
San Diego, CA 92102

Information Telephone: 800-250-4519

Emergency Telephone: 800-424-9300

Section 2 - HAZARDS IDENTIFICATION

GHS Ratings:

| | | |
|---------------------|--------------|--|
| Oral Toxicity | Acute Tox. 4 | Oral>300+<=2000mg/kg |
| Inhalation Toxicity | Acute Tox. 4 | Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l |

GHS Hazards

| | |
|------|----------------------|
| H302 | Harmful if swallowed |
| H332 | Harmful if inhaled |

GHS Precautions

| | |
|-----------|---|
| 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 |
| P271 | Use only outdoors or in a well-ventilated area |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |
| P330 | Rinse mouth |
| P301+P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P501 | Dispose of contents/container to ... |

Signal Word: Warning

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS number | Weight Concentration % |
|---|------------|------------------------|
| Barium sulfate | 7727-43-7 | 70.00% - 80.00% |
| Vinyl acetate polymer (Chemically Bonded) | 9003-20-7 | 10.00% - 20.00% |
| Titanium dioxide (Chemically Bonded) | 13463-67-7 | 5.00% - 10.00% |

| | | |
|--------------|-----------|---------------|
| Carbon black | 1333-86-4 | 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. If irritation occurs, get medical assistance.

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.

Section 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use an extinguishing suitable for the surrounding environment. CO2, dry chemical, foam, water spray, water fog.

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

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: No specific fire or explosion hazard.

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.

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 |
|------------------------------------|--|--|--|
| Barium sulfate 7727-43-7 | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) | 5 mg/m ³ TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica) | NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust) |
| Vinyl acetate polymer 9003-20-7 | Not Established | Not Established | Not Established |
| Titanium dioxide 13463-67-7 | 15 mg/m ³ TWA (total dust) | 10 mg/m ³ TWA | Not Established |
| Carbon black 1333-86-4 | 3.5 mg/m ³ TWA | 3 mg/m ³ TWA (inhalable fraction) | NIOSH: 3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH) |

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

| | |
|---|--------------------------------|
| Appearance : Solid | Odor : Sweet |
| Odor threshold : N/A | PH : N/A |
| Melting point : N/A | Boiling point : 2500°C |
| Flash Pt(F/C) : N/A | Evaporation rate : N/A |
| Flammability (solid, gas) : N/A | LEL/UEL : N/A |
| Vapor pressure : N/A | Vapor density : N/A |
| Relative density : 2.75 | Solubility : N/A |
| Partition coefficient:n- N/A octanol/water : | Autoignition temp : N/A |
| Decomposition temp : N/A | Viscosity : N/A |

Section 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Incompatible materials. Dust formation. Strong oxidizers.

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: Strong acids.

HAZARDOUS DESCOMPOSITION PRODUCTS: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion or burning.

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 mild skin irritation.

EYE CONTACT: No data available.

INGESTION: Harmful if swallowed.

Information on toxicological effects

ACUTE TOXICITY: May cause respiratory irritation.

SKIN CORROSION / IRRITATION: May cause mild skin irritation.

SERIOUS EYE DAMAGE/ EYE IRRITATION: Not classified as a primary eye irritant.

Chronic Effects

Carcinogenicity: IARC's Monograph No.93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint".

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity .

| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|---|
| 13463-67-7 | Titanium dioxide | 5 to 10% | Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed |
| 1333-86-4 | Carbon black | .1 to 1.0% | Carbon black: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed |

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)

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