

## SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV**Version Number 1.0  
Revision Date 01/04/2019Page 1 of 20  
Print Date 01/08/2019

# SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV****Section 1. Identification**

**GHS product identifier** : MD-87026 SIGNAL GRAY W/UV  
**Chemical name** : Mixture  
**CAS number** : Mixture  
**Other means of identification** : CC01066723  
**Product type** : solid

**Relevant identified uses of the substance or mixture and uses advised against**

**Supplier's details** : **Mesa Industries**  
230 N 48th Avenue Phoenix, AZ 85043  
  
(602) 269-3199

**Emergency telephone number (with hours of operation)** : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

**Section 2. Hazards identification**

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : COMBUSTIBLE DUSTS  
SERIOUS EYE DAMAGE - Category 1  
CARCINOGENICITY - Category 1A

**GHS label elements**

## SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 2 of 20  
Print Date 01/08/2019

**Hazard pictograms****Signal word****Hazard statements**

- : Danger
- : May form combustible dust concentrations in air.
- : Causes serious eye damage.
- : May cause cancer.

**Precautionary statements**

- General** : Not applicable.
- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing.
- Response** : IF exposed or concerned: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : Keep container tightly closed.
- Hazards not otherwise classified** : None known.

<b>Section 3. Composition/information on ingredients</b>
--

- Substance/mixture** : Mixture
- Chemical name** : Mixture
- Other means of identification** : CC01066723

**CAS number/other identifiers**

Ingredient name	%	CAS number
Titanium dioxide	50 - 75	13463-67-7
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidiny) ester	10 - 25	52829-07-9
Carbon black	3 - 5	1333-86-4



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 3 of 20  
 Print Date 01/08/2019

Quartz	0 - 0.3	14808-60-7
--------	---------	------------

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

**Section 4. First aid measures**

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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,



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 4 of 20  
 Print Date 01/08/2019

give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Most important symptoms/effects, acute and delayed**

**Potential acute health effects**

- Eye contact** : Causes serious eye damage.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

- Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness
- Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing
- Skin contact** : Adverse symptoms may include the following:  
 pain or irritation  
 redness  
 blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
 stomach pains

**Indication of immediate medical attention and special treatment needed, if necessary**

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 5 of 20  
 Print Date 01/08/2019

rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

**Section 5. Firefighting measures**

Extinguishing media

- Suitable extinguishing media** : Use dry chemical powder.
- Unsuitable extinguishing media** : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

**Specific hazards arising from the chemical** : May form explosible dust-air mixture if dispersed.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides  
 metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Section 6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note

## SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 6 of 20  
Print Date 01/08/2019

of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** :
- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up**

- Small spill** :
- Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** :
- Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

<b>Section 7. Handling and storage</b>
--

**Precautions for safe handling**

- Protective measures** :
- Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 7 of 20  
Print Date 01/08/2019

- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
  
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a well-ventilated place. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Section 8. Exposure controls/personal protection**

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Quartz	<p><b>OSHA PEL 1989 (1989-03-01)</b> TWA 0.1 mg/m3 (Calculated as Quartz) Form: Respirable dust</p> <p><b>OSHA PEL Z3 (1997-09-03)</b> TWA 250 MPPCF / (%SiO2+5) Form: Respirable TWA 10 MG /M3 / (%SiO2+2) Form: Respirable TWA 30 MG /M3 / (%SiO2+2) Form: Total dust</p> <p><b>NIOSH REL (1994-06-01)</b> TWA 0.05 mg/m3 Form: Respirable dust</p> <p><b>ACGIH TLV (2005-12-09)</b> TWA 0.025 mg/m3 Form: Respirable fraction</p> <p><b>OSHA PEL (2016-06-23)</b> TWA 0.05 mg/m3 Form: Respirable dust</p>
Carbon black	<p><b>OSHA PEL 1989 (1989-03-01)</b> TWA 3.5 mg/m3</p> <p><b>OSHA PEL (1993-06-30)</b> TWA 3.5 mg/m3</p> <p><b>NIOSH REL (1994-06-01)</b></p>



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 8 of 20  
Print Date 01/08/2019

	<p>TWA 3.5 mg/m<sup>3</sup> TWA 0.1 mgPAH/m<sup>3</sup> <b>ACGIH TLV (2010-12-06)</b> TWA 3 mg/m<sup>3</sup> Form: Inhalable fraction</p>
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester	None.
Titanium dioxide	<p><b>OSHA PEL 1989 (1989-03-01)</b> TWA 10 mg/m<sup>3</sup> Form: Total dust <b>OSHA PEL (1993-06-30)</b> TWA 15 mg/m<sup>3</sup> Form: Total dust <b>ACGIH TLV (1996-05-18)</b> TWA 10 mg/m<sup>3</sup></p>

- Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Skin protection**



## SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 9 of 20  
Print Date 01/08/2019

<b>Hand protection</b>	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
<b>Body protection</b>	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Other skin protection</b>	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory protection</b>	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: solid [Powder.]
<b>Color</b>	: GREY
<b>Odor</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>pH</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available.
<b>Flash point</b>	: Not available.
<b>Burning time</b>	: Not available.
<b>Burning rate</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Lower and upper explosive (flammable) limits</b>	: <b>Lower:</b> Not available. <b>Upper:</b> Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: Not available.
<b>Solubility</b>	: Not available.
<b>Solubility in water</b>	: Not available.
<b>Partition coefficient: n-</b>	: Not available.

**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 10 of 20  
 Print Date 01/08/2019

octanol/water  
**Auto-ignition temperature** : Not available.  
**Decomposition temperature** : Not available.  
**SADT** : Not available.  
**Viscosity** : **Dynamic:** Not available.  
**Kinematic:** Not available.

**Section 10. Stability and reactivity**

**Reactivity** : No specific test data related to reactivity available for this product or its ingredients.  
**Chemical stability** : Stable under recommended storage and handling conditions (see Section 7).  
**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.  
**Conditions to avoid** : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.  
**Incompatible materials** : Reactive or incompatible with the following materials:  
 oxidizing materials  
**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological information**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

**Information on toxicological effects**

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
<b>Remarks - Oral:</b>	No applicable toxicity data			
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			
Carbon black				
	LD50 Oral	Rat	15,400 mg/kg	-
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 11 of 20  
Print Date 01/08/2019

Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester				
<b>Remarks - Oral:</b>	No applicable toxicity data			
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			
Titanium dioxide				
<b>Remarks - Oral:</b>	No applicable toxicity data			
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-

**Conclusion/Summary** : Mixture.Not fully tested.

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-

**Conclusion/Summary**  
**Skin** : Mixture.Not fully tested.  
**Eyes** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

**Sensitization**

**Conclusion/Summary**  
**Skin** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

**Mutagenicity**

**Conclusion/Summary** : Mixture.Not fully tested.

**Carcinogenicity**

**Conclusion/Summary** : Mixture.Not fully tested.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
Quartz		1	Known to be a human carcinogen.
Carbon black		2B	
Titanium dioxide		2B	

**Reproductive toxicity**

**Conclusion/Summary** : Mixture.Not fully tested.



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 12 of 20  
 Print Date 01/08/2019

**Teratogenicity**

**Conclusion/Summary** : Mixture. Not fully tested.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
Quartz	Category 1		

**Aspiration hazard**

Not available.

**Information on likely routes of exposure** : Not available.

**Potential acute health effects**

- Eye contact** : Causes serious eye damage.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : Adverse symptoms may include the following:  
 pain  
 watering  
 redness
- Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing
- Skin contact** : Adverse symptoms may include the following:  
 pain or irritation  
 redness  
 blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
 stomach pains

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Short term exposure**



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 13 of 20  
 Print Date 01/08/2019

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**Conclusion/Summary** : Mixture. Not fully tested.

**General** : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

**Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

Not available.

**Section 12. Ecological information**

**Toxicity**

Product/ingredient name	Result	Species	Exposure
Quartz			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates:</b>	No applicable toxicity data		

## SAFETY DATA SHEET

## MD-87026 SIGNAL GRAY W/UV

Version Number 1.0  
Revision Date 01/04/2019

Page 14 of 20  
Print Date 01/08/2019

Carbon black			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
	Acute EC50 37.563 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
	Acute EC50 8.6 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Titanium dioxide			
	Acute LC50 > 1,000 Mg/l Marine water	Fish - Fish	96 h
<b>Remarks - Acute - Fish:</b>	Acute		
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		

Conclusion/Summary : Not available.

Persistence and degradability

Conclusion/Summary : Not available.

## SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 15 of 20  
Print Date 01/08/2019

**Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester	0.35	-	low

**Mobility in soil**

- Soil/water partition coefficient (KOC)** : Not available.
- Other adverse effects** : No known significant effects or critical hazards.

**Section 13. Disposal considerations**

- Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**United States - RCRA Acute hazardous waste "P" List:** Not listed

**United States - RCRA Toxic hazardous waste "U" List:** Not listed

**Section 14. Transport information**

- U.S.DOT 49CFR Ground/Air/Water : Not regulated for transportation.
- International Air : Consult mode specific transport rules



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 16 of 20  
 Print Date 01/08/2019

ICAO/IATA

International Water : Consult mode specific transport rules  
 IMO/IMDG

**Section 15. Regulatory information**

- U.S. Federal regulations** :
  - United States - TSCA 12(b) - Chemical export notification:** None of the components are listed.
  - United States - TSCA 4(a) - Final Test Rules:** Not listed
  - United States - TSCA 4(a) - ITC Priority list:** Not listed
  - United States - TSCA 4(a) - Proposed test rules:** Not listed
  - United States - TSCA 4(f) - Priority risk review:** Not listed
  - United States - TSCA 5(a)2 - Final significant new use rules:** Not listed
  - United States - TSCA 5(a)2 - Proposed significant new use rules:** Not listed
  - United States - TSCA 5(e) - Substances consent order:** Not listed
  - United States - TSCA 6 - Final risk management:** Not listed
  - United States - TSCA 6 - Proposed risk management:** Not listed
  - United States - TSCA 8(a) - Chemical risk rules:** Not listed
  - United States - TSCA 8(a) - Dioxin/Furane precursor:** Not listed
  - United States - TSCA 8(a) - Chemical Data Reporting (CDR):** Not determined
  - United States - TSCA 8(a) - Preliminary assessment report (PAIR):** Not listed
  - United States - TSCA 8(c) - Significant adverse reaction (SAR):** Not listed
  - United States - TSCA 8(d) - Health and safety studies:** Not listed
  - United States - EPA Clean water act (CWA) section 307 - Priority pollutants:** Listed Chromium
    - Arsenic
    - Nickel
    - Zinc ferrite brown spinel (C.I. Pigment Yellow 119)
    - Zinc stearate
  - United States - EPA Clean water act (CWA) section 311 - Hazardous substances:** Not listed
  - United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances:** Not listed
  - United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances:** Not listed
  - United States - Department of commerce - Precursor chemical:**





**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 17 of 20  
 Print Date 01/08/2019

Not listed

- Clean Air Act Section 112(b) : Listed
- Hazardous Air Pollutants (HAPs)
- Clean Air Act Section 602 Class I Substances : Not listed
- Clean Air Act Section 602 Class II Substances : Not listed
- DEA List I Chemicals (Precursor Chemicals) : Not listed
- DEA List II Chemicals (Essential Chemicals) : Not listed

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

not applicable

**SARA 311/312**

- Classification : COMBUSTIBLE DUSTS  
 SERIOUS EYE DAMAGE - Category 1  
 CARCINOGENICITY - Category 1A

**Composition/information on ingredients**

Name	%	Classification
Zinc stearate	>= 10 - <= 25	Fire hazard
Titanium dioxide	>= 50 - <= 75	Delayed (chronic) health hazard
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester	>= 10 - <= 25	Immediate (acute) health hazard
Carbon black	>= 3 - <= 5	Delayed (chronic) health hazard
Quartz	> 0 - <= 0.3	CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

**SARA 313**

Form R - Reporting requirements	Product name	CAS number	%
	Zinc ferrite brown spinel (C.I. Pigment Yellow 119)	68187-51-9	3 - 5
	Zinc stearate	557-05-1	10 - 25



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 18 of 20  
 Print Date 01/08/2019

<b>Supplier notification</b>	Zinc ferrite brown spinel (C.I. Pigment Yellow 119)	68187-51-9	3 - 5
	Zinc stearate	557-05-1	10 - 25

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State regulations**

**Massachusetts**

: None of the components are listed.

**New York**

: None of the components are listed.

**New Jersey**

: The following components are listed:  
 Quartz  
 Carbon black  
 Titanium dioxide  
 Zinc ferrite brown spinel (C.I. Pigment Yellow 119)  
 Calcium carbonate  
 Zinc stearate

**Pennsylvania**

: The following components are listed:  
 Titanium dioxide  
  
 Quartz  
  
 Carbon black  
  
 Zinc ferrite brown spinel (C.I. Pigment Yellow 119)  
  
 Calcium carbonate  
  
 Zinc stearate

**California Prop. 65**

**WARNING:** This product can expose you to chemicals including Titanium dioxide, Carbon black, Quartz, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

<b>Ingredient name</b>	<b>No significant risk level</b>	<b>Maximum acceptable dosage level</b>
Carbon black	No.	No.
Titanium dioxide	No.	No.
Quartz	No.	No.

**United States inventory (TSCA 8b)** : All components are listed or exempted.



**SAFETY DATA SHEET**

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
 Revision Date 01/04/2019

Page 19 of 20  
 Print Date 01/08/2019

**Canada inventory** : At least one component is not listed in DSL but all such components are listed in NDSL.

**International regulations**

**Inventory list**

- Australia** : All components are listed or exempted.
- Canada** : At least one component is not listed in DSL but all such components are listed in NDSL.
- China** : All components are listed or exempted.
- Europe inventory** : All components are listed or exempted.
- Japan** : Not determined.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.
- Taiwan** : All components are listed or exempted.
- Turkey** : Not determined.
- United States** : All components are listed or exempted.

**Section 16. Other information**

**Hazardous Material Information System (U.S.A.)**

<b>Health</b>	*	3
<b>Flammability</b>		3
<b>Physical hazards</b>		0

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.**

**The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.**

**History**

- Date of printing** : 01/08/2019
- Date of issue/Date of revision** : 01/04/2019
- Date of previous issue** : 00/00/0000
- Version** : 1.0
- Key to abbreviations** : ATE = Acute Toxicity Estimate



SAFETY DATA SHEET

**MD-87026 SIGNAL GRAY W/UV**

Version Number 1.0  
Revision Date 01/04/2019

Page 20 of 20  
Print Date 01/08/2019

BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

**References** : Not available.

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.**