### **MEDIKA GREEN**

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# SAFETY DATA SHEET

#### **MEDIKA GREEN**

Section 1. Identification				
GHS product identifier	:	MEDIKA GREEN		
Chemical name	:	Mixture		
CAS number	:	Mixture		
Other means of identification	:	CC10221920		
Product type	:	liquid		
Relevant identified uses of the substance or mixture and uses advised against				
Product use	:	Industrial applications. Plastics.		
Supplier's details	:	POLYONE CORPORATION		
		33587 Walker Road, Avon Lake, OH 44012		
		1 (440) 930-1000 or 1 (866) POLYONE		
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 for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants 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. See sections 8 and 11 for special precautions. 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	:	TOXIC TO REPRODUCTION (Fertility) - Category 2 TOXIC TO REPRODUCTION (Unborn child) - Category 2

#### **GHS label elements**

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Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	Suspected of damaging fertility or the unborn child.
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.
Storage		Store locked up.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

# Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10221920

#### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	25 - 50	13463-67-7
Silica, amorphous	1 - 3	7631-86-9
3H-Pyrazol-3-one, 4-[(1,5-dihydro-3-methyl-5-oxo-1-phenyl-4H- pyrazol-4-ylidene)methyl]-2,4-dihydro-5-methyl-2-phenyl-	1 - 3	4702-90-3

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



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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	:	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. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention. 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	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	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, 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. Get medical attention. 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 Inhalation Skin contact	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

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Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Indication of immediate medical att	entic	on 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

# Section 5. Firefighting measures

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ . None known.
Specific hazards arising from the chemical Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
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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.
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 For emergency responders	:	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note 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	nt ai	nd cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non- combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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# Section 7. Handling and storage

#### Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. 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 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. 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
Silica, amorphous	NIOSH REL (1994-06-01) TWA 6 mg/m3
3H-Pyrazol-3-one, 4-[(1,5-dihydro-3- methyl-5-oxo-1-phenyl-4H-pyrazol-4- ylidene)methyl]-2,4-dihydro-5-methyl-2-	None.

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phenyl-		
Titanium dioxide		OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3
Appropriate engineering controls Environmental exposure controls	:	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. 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: safety glasses with side-shields.
Skin protection		
Hand protection	:	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.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be

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Other skin protection	approved by a specialist before handling this product. 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.
Respiratory protection	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

Physical state	:	liquid [liquid]
Color	:	GREEN
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		<b>Upper:</b> Not available.
(naninable) mints		<b>Opper.</b> Not available.
Vapor pressure	:	Not available.
	:	
Vapor pressure	:	Not available.
Vapor pressure Vapor density	:	Not available. Not available.
Vapor pressure Vapor density Relative density	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility	:::::::::::::::::::::::::::::::::::::::	Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	: : : : :	Not available. Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature	: : : : :	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature	: : : : :	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.

# Section 10. Stability and reactivity

Reactivity

: No specific test data related to reactivity available for this product or

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		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	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
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		
Remarks - Oral:	No applicable toxic	No applicable toxicity data				
<b>Remarks - Inhalation:</b>	No applicable toxic	city data				
Remarks - Dermal:	No applicable toxic	city data				
Remarks - Oral:	No applicable toxic	No applicable toxicity data				
<b>Remarks - Inhalation:</b>	No applicable toxicity data					
Remarks - Dermal:	No applicable toxicity data					
Titanium dioxide						
Remarks - Oral:	No applicable toxic	city data				
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h		
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-		
Conclusion/Summary	: Mixtu	re.Not fully tested.				

**Conclusion/Summary** 

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Silica, amorphous	Eyes - Mild irritant	Rabbit		24 hrs	-
Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Conclusion/Summary					
Skin	: M	lixture.Not full	ly tested.		
Eyes	: Mixture.Not fully tested.				
Respiratory	: M	lixture.Not full	ly tested.		
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Sensitization				
Conclusion/Summary Skin Respiratory	<ul><li>Mixture.Not fully tested.</li><li>Mixture.Not fully tested.</li></ul>			
<b>Mutagenicity</b>				
Conclusion/Summary	: N	fixture.Not fully	tested.	
<b>Carcinogenicity</b>				
Conclusion/Summary Classification	: N	lixture.Not fully	tested.	
Product/ingredient name	OSHA	IARC	NTP	
Silica, amorphous		3		
Titanium dioxide		2B		
<u>Reproductive toxicity</u> Conclusion/Summary <u>Teratogenicity</u>	: M	lixture.Not fully	tested.	
Conclusion/Summary	ary : Mixture.Not fully tested.			
Specific target organ toxicity (single exposure) Not available.				
<u>Specific target organ toxicity (repeated exposure)</u> Not available.				
<u>Aspiration hazard</u> Not available.				
Information on likely routes exposure	of : N	ot available.		
Potential acute health effects				
Eye contact	: N	o known signific	cant effects or critical hazards.	
Inhalation			cant effects or critical hazards.	
Skin contact				
Ingestion	<ul><li>No known significant effects or critical hazards.</li><li>No known significant effects or critical hazards.</li></ul>			
Ingestion	: N	-	cant enects of entited hazarus.	
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#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	No specific data.
Inhalation	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	:	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

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

<u>Short term exposure</u>		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects <u>Numerical measures of toxicity</u>	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Suspected of damaging the unborn child. No known significant effects or critical hazards. Suspected of damaging fertility.

#### Acute toxicity estimates

Not available.

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# Section 12. Ecological information

**Toxicity** 

Remarks - Acute - Aquatic invertebrates.:No a invertebrates.:Remarks - Acute - Aquatic plants:No a plants:Remarks - Chronic - Fish: Aquatic invertebrates.:No a a o a Aquatic invertebrates.:3H-Pyrazol-3-one, 4-[(1,5-dih)/dro-3 2-phenyl-No a a no a Aquatic invertebrates.:Remarks - Acute - Fish: invertebrates.:No a a no a b No a Chronic - Fish:Remarks - Acute - Aquatic invertebrates.:No a a no a b No a No a N	applicable toxicity data applicable toxicity data applicable toxicity data applicable toxicity data applicable toxicity data 3-methyl-5-oxo-1-phenyl-4H-py applicable toxicity data applicable toxicity data	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
Remarks - Acute - Aquatic invertebrates.:No a invertebrates.:Remarks - Acute - Aquatic plants:No a plants:Remarks - Chronic - Fish: Aquatic invertebrates.:No a No a No a3H-Pyrazol-3-one, 4-[(1,5-dih)ydro-3 2-phenyl-No a No a No a Remarks - Acute - Fish: No a Remarks - Acute - Aquatic invertebrates.:No a No a No a No a No a Remarks - Acute - Fish: No a Remarks - Acute - Aquatic 	applicable toxicity data applicable toxicity data applicable toxicity data applicable toxicity data 6-methyl-5-oxo-1-phenyl-4H-py applicable toxicity data	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
invertebrates.:Remarks - Acute - Aquatic plants:No a plants:Remarks - Chronic - Fish:No aRemarks - Chronic - Fish:No aAquatic invertebrates.:33H-Pyrazol-3-one, 4-[(1,5-dih)/dro-3 2-phenyl-No aRemarks - Acute - Fish:No aRemarks - Acute - Fish:No aInvertebrates.:No aRemarks - Acute - Aquatic invertebrates.:No aRemarks - Acute - Aquatic plants:No aRemarks - Acute - Aquatic No aNo aRemarks - Acute - Aquatic No aNo aRemarks - Acute - Aquatic No aNo aNo aNo aNo aNo aRemarks - Chronic - Fish:No a	applicable toxicity data applicable toxicity data applicable toxicity data 6-methyl-5-oxo-1-phenyl-4H-py applicable toxicity data	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
Remarks - Acute - Aquatic plants:No a plants:Remarks - Chronic - Fish:No aRemarks - Chronic - Fish:No aAquatic invertebrates.:No a3H-Pyrazol-3-one, 4-[(1,5-dihydro-32-phenyl-Remarks - Acute - Fish:No aRemarks - Acute - Fish:No aRemarks - Acute - Aquatic invertebrates.:No aRemarks - Acute - Aquatic plants:No aRemarks - Acute - Aquatic blants:No aRemarks - Chronic - Fish:No a	applicable toxicity data applicable toxicity data a-methyl-5-oxo-1-phenyl-4H-py applicable toxicity data	razol-4-ylidene)methyl]-2,-	1-dihydro-5-methyl-		
plants:Remarks - Chronic - Fish:No aRemarks - Chronic -No aAquatic invertebrates.:No a3H-Pyrazol-3-one, 4-[(1,5-dih)dro-32-phenyl-Remarks - Acute - Fish:No aRemarks - Acute - Fish:No aInvertebrates.:No aRemarks - Acute - AquaticNo aInvertebrates.:No aRemarks - Acute - AquaticNo aplants:No aRemarks - Chronic - Fish:No a	applicable toxicity data applicable toxicity data a-methyl-5-oxo-1-phenyl-4H-py applicable toxicity data	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
Remarks - Chronic - Fish:No aRemarks - Chronic -No aAquatic invertebrates.:No a3H-Pyrazol-3-one, 4-[(1,5-dihydro-32-phenyl-Remarks - Acute - Fish:No aRemarks - Acute - Fish:No aInvertebrates.:No aRemarks - Acute - AquaticNo aInvertebrates.:No aRemarks - Chronic - Fish:No a	applicable toxicity data -methyl-5-oxo-1-phenyl-4H-py applicable toxicity data	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
Remarks - Chronic - Aquatic invertebrates.:No a3H-Pyrazol-3-one, 4-[(1,5-dih)dro-3 2-phenyl-2-phenyl-Remarks - Acute - Fish: invertebrates.:No aRemarks - Acute - Aquatic invertebrates.:No aRemarks - Acute - Aquatic plants:No aRemarks - Acute - Aquatic brother brates.:No aRemarks - Chronic - Fish:No a	applicable toxicity data -methyl-5-oxo-1-phenyl-4H-py applicable toxicity data	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
Aquatic invertebrates.:3H-Pyrazol-3-one, 4-[(1,5-dihydro-3 2-phenyl-Remarks - Acute - Fish:No a a invertebrates.:Remarks - Acute - Aquatic invertebrates.:No a plants:Remarks - Acute - Aquatic plants:No a	methyl-5-oxo-1-phenyl-4H-py	razol-4-ylidene)methyl]-2,4	1-dihydro-5-methyl-		
3H-Pyrazol-3-one, 4-[(1,5-dihydro-3 2-phenyl-Remarks - Acute - Fish:No a a invertebrates.:Remarks - Acute - Aquatic invertebrates.:No a plants:Remarks - Acute - Aquatic plants:No a	applicable toxicity data	razol-4-ylidene)methyl]-2,4	4-dihydro-5-methyl-		
2-phenyl- Remarks - Acute - Fish: No a Remarks - Acute - Aquatic invertebrates.: Remarks - Acute - Aquatic plants: Remarks - Chronic - Fish: No a	applicable toxicity data	razol-4-ylidene)methyl]-2,4	4-dihydro-5-methyl-		
Remarks - Acute - Fish:No aRemarks - Acute - Aquatic invertebrates.:No aRemarks - Acute - Aquatic plants:No aRemarks - Acute - Aquatic plants:No aRemarks - Chronic - Fish:No a	** *				
Remarks - Acute - Aquatic invertebrates.:No a invertebrates.:Remarks - Acute - Aquatic plants:No a plants:Remarks - Chronic - Fish:No a	** *				
invertebrates.: Remarks - Acute - Aquatic No a plants: Remarks - Chronic - Fish: No a	applicable toxicity data				
Remarks - Acute - Aquatic plants:No a plants:Remarks - Chronic - Fish:No a					
plants: Remarks - Chronic - Fish: No a					
Remarks - Chronic - Fish: No a	applicable toxicity data				
	No applicable toxicity data				
	No applicable toxicity data				
Aquatic invertebrates.:					
Titanium dioxide					
	te LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h		
wate					
Remarks - Acute - Fish: Acut		<u> </u>			
Acut	te LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h		
		Crustaceans			
Remarks - Acute - Aquatic Acut	te				
invertebrates.:	LOSO CE Madi Essala	A month in the second allows of	40.1		
Acu	te LC50 6.5 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h		
Remarks - Acute - Aquatic Acut	te				
invertebrates.:					
Remarks - Acute - Aquatic No a	applicable toxicity data				
plants:					
	mulicable torrigity data				
	applicable toxicity data				
Aquatic invertebrates.:	applicable toxicity data				

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Conclusion/Summary	:	Not available.
Persistence and degradability		
Conclusion/Summary	:	Not available.
Bioaccumulative potential		
Not available.		
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.



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International Air ICAO/IATA	:	Consult mode specific transport rules
International Water IMO/IMDG	:	Consult mode specific transport rules

# Section 15. Regulatory information

	United States (TSCA 12(L)) Character Learner to stiff and any Num
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
	<b>United States - TSCA 5(a)2 - Final significant new use rules:</b> Not listed
	United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed
	<b>United States - TSCA 5(e) - Substances consent order:</b> 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 precusor: 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 Phthalocyanine green
	Phthalocyanine Blue
	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:
	Not listed
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Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Not listed
Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II		Not listed
Substances	•	Not listed
DEA List I Chemicals (Precursor	:	Not listed
Chemicals)		
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

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

:

not applicable

#### SARA 311/312

Classification

TOXIC TO REPRODUCTION - Fertility - Category 2 TOXIC TO REPRODUCTION - Unborn child - Category 2

#### **Composition/information on ingredients**

Name	%	Classification
Silica, amorphous	>= 1 - <= 3	EYE IRRITATION - Category 2B
3H-Pyrazol-3-one, 4-[(1,5-	>= 1 - <= 3	TOXIC TO REPRODUCTION - Fertility - Category 2
dihydro-3-methyl-5-oxo-1-		TOXIC TO REPRODUCTION - Unborn child - Category 2
phenyl-4H-pyrazol-4-		
ylidene)methyl]-2,4-		
dihydro-5-methyl-2-phenyl-		
Titanium dioxide	>= 25 - <= 50	CARCINOGENICITY - Category 2

#### SARA 313

Not applicable.

State regulations	
Massachusetts	: None of the components are listed.
New York	None of the components are listed.
New Jersey	: The following components are listed: Titanium dioxide
Pennsylvania	<ul><li>Phthalocyanine green</li><li>The following components are listed: Titanium dioxide</li></ul>

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Phthalocyanine green

Silica, amorphous

Aluminum hydroxide

#### California Prop. 65

**WARNING:** This product can expose you to Titanium dioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable
		dosage level
Titanium dioxide	No.	No.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
<u>Inventory list</u>		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	All components are listed or exempted.
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.)

Health	*	0
Flammability		0
Physical hazards		0



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Date of printing	:	06/20/2019
Date of issue/Date of revision	:	06/19/2019
Date of previous issue	:	02/26/2019
Version	:	1.3
Key to abbreviations	:	ATE = Acute Toxicity Estimate 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.

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