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<b>Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY</b>	
<b>1.1 Identification of the substance</b>	
• <b>Color Index</b>	Pigment Red 112
• <b>Substance Name</b>	3-hydroxy-N-(2-methylphenyl)-4-[(E)-2-(2,4,5-trichlorophenyl)diazene-1-yl]naphthalene-2-carboxamide
• <b>EC#</b>	229-440-3
• <b>CAS#</b>	6535-46-2
• <b>Trade Names</b>	Pigment SunTone® Red 5562 PR112
• <b>Molecular Formula</b>	C <sub>24</sub> H <sub>16</sub> Cl <sub>3</sub> N <sub>3</sub> O <sub>2</sub>
<b>1.2 Use of the Substance/Mixture:</b>	
• Paints	
<b>1.3 Company/undertaking identification:</b>	
• <b>Manufacturer Details:</b>	VIPUL ORGANICS B-603A,KaledoniaBldg., Sahar Road , Off W-E Highway , Andheri (East) Mumbai - 400 069. (India )
<b>1.4 Emergency Telephone:</b>	
• <b>Emergency Telephone &amp; Contact</b>	Contact Person: Mr Suresh Shelar Mobile:+91 8291917557 Email :suresh.shelar@vipulorganics.com
<b>Section 2 - HAZARDS IDENTIFICATION</b>	
<b>2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)</b>	
Substance is not classified as per CLP Regulation	
• <b>Hazard Class and Category Code(s)</b>	H317, H341,H412,H413
• <b>Hazard statement Code(s)</b>	May cause an allergic skin reaction, suspected of causing genetic effect , Harmful to aquatic life with long lasting effects, may cause long lasting harmful effect to aquatic life.
<b>2.2.Labeling according to Regulation (EC) No 1272/2008 (CLP)</b>	
• <b>Hazard Statements</b>	this substance may cause an allergic skin reaction.
• <b>Precautionary Statements</b>	Follow general precautionary statements
<b>2.3. Other hazards</b>	

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Not identified					
<b>Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS</b>					
Constituent	CAS No.	EC No.	Typical concentration	Concentration range	Remarks
3-hydroxy-N-(2-methylphenyl)-4-[(E)-2-(2,4,5-trichlorophenyl)diazene-1-yl]naphthalene-2-carboxamide	6535-46-2	229-440-3	99.99% w/w	97-100% w/w	None
<b>Section 4 - FIRST AID MEASURES</b>					
<b>4.1 Description of First Aid measures:</b>					
• <b>General advice</b> :		Seek medical assistance if discomfort continues			
• <b>Eye contact</b> :		Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.			
• <b>Skin Contact</b> :		In case of contact with skin, clean with soap and water.			
• <b>Inhalation</b> :		Remove the casualty into fresh air and keep him calm.			
• <b>Ingestion</b> :		If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label			
<b>4.2. Most important symptoms and effects, both acute and delayed</b>					
No symptoms known currently.					
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>					
Treat symptomatically.					
<b>Section 5 - FIRE-FIGHTING MEASURES</b>					
<b>5.1. Extinguishing media:</b>					
Suitable extinguishing media water spray jet foam Extinguishing media that must not be used for safety reasons Full water jet carbon dioxide dry powder					
<b>5.2. Special hazards arising from the substance or mixture</b>					
• In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)					

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Carbon dioxide (CO <sub>2</sub> ) Nitrogen oxides (NO <sub>x</sub> )
<b>5.3. Advice for fire-fighters</b>
Special protective equipment for firefighting Use self-contained breathing apparatus
<b>Section 6 - ACCIDENTAL RELEASE MEASURES</b>
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>
<b>6.1.1 For non-emergency personnel:</b>
Wear suitable personal protective equipment.
<b>6.1.2 For emergency responders</b>
NA
<b>6.2. Environmental precautions:</b>
<ul style="list-style-type: none"> <li>Do not allow entry to drains, water courses or soil</li> </ul>
<b>6.3. Methods and material for containment and cleaning:</b>
<ul style="list-style-type: none"> <li>Take up mechanically</li> <li>Avoid dust formation and electrical charging (sparking) because dust explosion might occur.</li> <li>When picked up, treat material as prescribed under heading "Disposal".</li> </ul>
<b>Section 7 - HANDLING AND STORAGE</b>
<b>7.1 Precautions for safe handling</b>
<ul style="list-style-type: none"> <li>Advice on safe handling</li> <li>When used and handled appropriately no special measures are needed</li> <li>Avoid dust formation.</li> <li>Hygiene measures</li> <li>Wash hands before breaks and after work.</li> <li>Use barrier skin cream.</li> <li>Remove soiled or soaked clothing immediately and clean thoroughly before using again.</li> <li>Advice on protection against fire and explosion</li> <li>Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations.</li> <li>Keep away from sources of ignition</li> <li>Dust can form an explosive mixture with air.</li> <li>Dust explosion class</li> <li>ST2 Capable of dust explosion</li> <li>Don't smoke neither drink or eat during the manipulation.</li> </ul>

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<b>7.2 Conditions for safe storage:</b>	
<ul style="list-style-type: none"> <li>Keep in original packaging, tightly closed</li> <li>Keep container dry</li> </ul>	
<b>7.3 Specific end use(s):</b>	
<ul style="list-style-type: none"> <li>No further recommendations.</li> </ul>	
<b>Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>8.1 Control Parameters:</b>	
No data available	
<b>8.2 Exposure Control:</b>	
<ul style="list-style-type: none"> <li><b>Engineering Measures:</b></li> </ul>	Observe the usual precautions for handling chemicals.
<ul style="list-style-type: none"> <li><b>Respiratory Protection:</b></li> </ul>	Wear dust mask when handling large quantities
<ul style="list-style-type: none"> <li><b>Hand Protection</b></li> </ul>	<p>Nitrile rubber gloves.            Minimum breakthrough time (glove): not determined            Minimum thickness (glove): not determined            Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements            With solid dry substances permeation is not to be expected, therefore the breakthrough-time for this protective glove has not been measured.            Because this glove is used only for mechanical protection, the minimum breakthrough time and thickness are not relevant to safety.</p>
<ul style="list-style-type: none"> <li><b>Eye protection</b></li> </ul>	safety glasses
<ul style="list-style-type: none"> <li><b>Body protection</b></li> </ul>	working clothes
<b>Section 9 – PHYSICAL &amp; CHEMICAL PROPERTIES:</b>	
<b>9.1 General Information:</b>	
<ul style="list-style-type: none"> <li><b>Physical state</b></li> </ul>	Powder
<ul style="list-style-type: none"> <li><b>Color</b></li> </ul>	Red
<ul style="list-style-type: none"> <li><b>Odour</b></li> </ul>	Non specific
<ul style="list-style-type: none"> <li><b>pH(50 g/l (20°C))</b></li> </ul>	6-8
<ul style="list-style-type: none"> <li><b>Boiling point/boiling range</b></li> </ul>	No data available
<ul style="list-style-type: none"> <li><b>Melting/freezing point at 101 325 Pa</b></li> </ul>	306 °C
<ul style="list-style-type: none"> <li><b>Density</b></li> </ul>	1.45- 1.50 g/cm <sup>3</sup> @ 20 °C
<ul style="list-style-type: none"> <li><b>Vapour pressure</b></li> </ul>	No data available
<ul style="list-style-type: none"> <li><b>Vapour density</b></li> </ul>	No data available
<ul style="list-style-type: none"> <li><b>Viscosity</b></li> </ul>	No data available
<ul style="list-style-type: none"> <li><b>Solubility in water</b></li> </ul>	9.8 µg/L @ 24 °C and pH 7
<ul style="list-style-type: none"> <li><b>Solubility in organic solvent (n-octanol)</b></li> </ul>	No data available

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<b>9.2 Other information:</b>			
<b>Section 10 - STABILITY AND REACTIVITY</b>			
• <b>Reactivity</b>	No data available		
• <b>Chemical stability</b>	Stable.		
• <b>Possibility of hazardous reactions</b>	Risk of dust explosions		
• <b>Thermal decomposition</b>	No data available		
• <b>Conditions to avoid</b>	ignition Avoid excessive heat, flame, and spark.		
• <b>Incompatible materials</b>	not known		
• <b>Hazardous decomposition products</b>	When handled and stored appropriately, no dangerous decomposition products are known		
<b>Section 11 - TOXICOLOGICAL INFORMATION</b>			
<b>11.1 Information on toxicological effects:</b>			
<b>Acute Toxicity</b>	<b>Specie</b>	<b>Administration</b>	<b>Result</b>
acute toxicity: oral	Rat	Gavage	LD50 5 000 mg/kg bw (rat)
Acute toxicity: inhalation	Rat	inhalation	No data.
Dermal route:	Rat	dermal	LD50 5 000 mg/kg bw (rat)
<b>11.2 Irritation Corrosion:</b>			
<ul style="list-style-type: none"> <li>• Skin: No adverse effect observed (not irritating) ,</li> <li>• Eye: No adverse effect observed (not irritating)</li> </ul>			
<b>11.3 Sensitization</b>			
<b>Skin sensitisation</b>			
No adverse effect observed (not sensitising)			
<b>Respiratory sensitisation</b>			
No study available			
<b>11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b>			
• <b>Carcinogenicity</b>	Not Carcinogen		
• <b>Mutagenic effects</b>	Not mutagenic		
• <b>Reprotoxic effects</b>	not specified		


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<b>11.5 Other toxic effects on humans:</b>				
• Inhalation	No data available			
• Eyes	No data available			
• Ingestion	No data available			
• Chronic toxicity	No data available			
<b>11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):</b>				
• No information available				
<b>11.7 Specific target organ toxicity:</b>				
• Single exposure	No data available.			
• Repeated exposure	No data available.			
<b>Section 12 - ECOLOGICAL INFORMATION</b>				
<b>12.1 Ecotoxicity:</b>				
	<b>Substance name</b>	<b>Toxicity</b>	<b>Duration</b>	<b>Endpoint with Effective conc. :</b>
	3-hydroxy-N-(2-methylphenyl)-4-[(E)-2-(2,4,5-trichlorophenyl)diazen-1-yl]naphthalene-2-carboxamide	Short term toxicity to fish: (Test organism ,species: Oryzias latipes)		No data
		Toxicity to aquatic algae and cyanobacteria (Test organism ,species Desmodesmus subspicatus)		No datas
		Short-term toxicity to aquatic invertebrates Test organisms (species): Daphnia magna		No data
<b>12.2 Persistence and degradability:</b>				
• No data available				
<b>12.3 Bioaccumulative potential:</b>				
• not B/vB				
<b>12.3 Mobility in soil:</b>				
• No data available				
<b>12.5 Results of PBT and vPvB assessment:</b>				
• the substance is not PBT / vPvB				
<b>12.6 Other adverse effects: Toxicity to microorganisms</b>				

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<b>Section 13 - DISPOSAL CONSIDERATIONS</b>
<p>Product</p> <p>In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority</p> <p>Uncleaned packaging</p> <p>Packaging that cannot be cleaned should be disposed of as product waste</p>
<b>Section 14: TRANSPORT INFORMATION</b>
Not dangerous
<b>Section 15 - REGULATORY INFORMATION</b>
<b>15.1 Other regulatory information:</b>
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH Essentials: Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.
<b>Inventory Status</b>
Listed in: Australia (AICS) Canada (DSL/NDL) China (IECSC) European Union (EINECS/ELINCS) South Korea (KECI) Philippines (PICCS) New Zealand Inventory (NZIoC)
<b>15.2 Chemical Safety Assessment:</b>
A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR) - Yes
<b>15.3 GHS07 : Health Hazard :</b>

<b>Section 16 – OTHER INFORMATION</b>
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, Storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
<b>16.1 Technical Advice:</b>
Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory
<ul style="list-style-type: none"> <li>• Create a Register for Workplace Chemicals;</li> <li>• Set priorities concerning the safety in the organization</li> <li>• Create emergency plans for the assessed hazards;</li> <li>• Organize occupational health care and regular surveys as necessary;</li> </ul>

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<ul style="list-style-type: none"> <li>Organize contacts with authorities/laboratories to create a monitoring system for chemical hazards, and to reliably measure and/or estimate occupational exposures to chemicals when needed;</li> </ul>
<ul style="list-style-type: none"> <li>Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;</li> </ul>
<ul style="list-style-type: none"> <li>Involve workers in safety organizations, such as the system of Safety Representatives and Committees.</li> </ul>
<ul style="list-style-type: none"> <li>Do regular inspection using checklists made for the particular chemicals and chemical processes in use;</li> </ul>
<ul style="list-style-type: none"> <li>Mark and label all chemicals;</li> </ul>
<ul style="list-style-type: none"> <li>Keep at hand an inventory list of all chemicals handled in the place of work together with a collection of Chemical Safety Data Sheets for these chemicals;</li> </ul>
<ul style="list-style-type: none"> <li>Train workers to read and understand the Chemical Safety Information, including the health hazards and routes of exposure; train them to handle dangerous chemicals and processes with respect;</li> </ul>
<ul style="list-style-type: none"> <li>Plan, develop and choose the safe working procedures;</li> </ul>
<ul style="list-style-type: none"> <li>Reduce the number of people coming into contact with dangerous chemicals;</li> </ul>
<ul style="list-style-type: none"> <li>Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;</li> </ul>
<ul style="list-style-type: none"> <li>Train workers to know and understand the emergency procedures;</li> </ul>
<ul style="list-style-type: none"> <li>Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;</li> </ul>
<p><b>16.2 List of relevant R-phrases</b></p>