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Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY	
1.1 Identification of the substance	
• Color Index	Pigment Red 57:1
• Substance Name	calcium 3-hydroxy-4-[(E)-2-(4-methyl-2-sulfohenyl)diazen-1-yl]naphthalene-2-carboxylate
• EC#	226-109-5
• CAS#	5281-04-9
• Trade Names	Pigment SunTone® Red 57:1
• Molecular Formula	C18H12CaN2O6S
1.2 Use of the Substance/Mixture:	
•	Plastics
1.3 Company/undertaking identification:	
• Manufacturer Details:	VIPUL ORGANICS B-603A,KaledoniaBldg., Sahar Road , Off W-E Highway , Andheri (East) Mumbai - 400 069. (India)
1.4 Emergency Telephone:	
• Emergency Telephone & Contact	Contact Person: Mr Suresh Shelar Mobile:+91 8291917557 Email :suresh.shelar@vipulorganics.com
Section 2 - HAZARDS IDENTIFICATION	
2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)	
Substance is not classified as per CLP Regulation	
• Hazard Class and Category Code(s)	NA
• Hazard statement Code(s)	NA
2.2.Labeling according to Regulation (EC) No 1272/2008 (CLP)	
• Hazard Statements	no hazards have been classified.
• Precautionary Statements	Follow general precautionary statements
2.3. Other hazards	

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H317:May cause an allergic skin reaction, H332: Harmful if inhale , H373: May cause damage to organ through prolonged or repeated exposure , H412: Harmful to aquatic life with long lasting effect.

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Constituent	CAS No.	EC No.	Typical concentration	Concentration range	Remarks
calcium 3-hydroxy-4-[(E)-2-(4-methyl-2-sulfophenyl)diazen-1-yl]naphthalene-2-carboxylate	5281-04-9	226-109-5	97.00 % w/w	97-100% w/w	None

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid measures:

• General advice :	Seek medical assistance if discomfort continues
• Eye contact :	Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.
• Skin Contact :	In case of contact with skin, clean with soap and water.
• Inhalation :	Remove the casualty into fresh air and keep him calm.
• Ingestion :	If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

4.2. Most important symptoms and effects, both acute and delayed

No symptoms known currently.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 - FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media
water spray jet
foam
Extinguishing media that must not be used for safety reasons
Full water jet
carbon dioxide
dry powder

5.2. Special hazards arising from the substance or mixture

- In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

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

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7.2 Conditions for safe storage:	
<ul style="list-style-type: none"> Further information on storage conditions Keep container dry 	
7.3 Specific end use(s):	
<ul style="list-style-type: none"> No further recommendations. 	
Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1 Control Parameters:	
No data available	
8.2 Exposure Control:	
<ul style="list-style-type: none"> Engineering Measures: 	Observe the usual precautions for handling chemicals.
<ul style="list-style-type: none"> Respiratory Protection: 	Wear dust mask when handling large quantities
<ul style="list-style-type: none"> Hand Protection 	<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"> Eye protection 	safety glasses
<ul style="list-style-type: none"> Body protection 	working clothes
Section 9 – PHYSICAL & CHEMICAL PROPERTIES:	
9.1 General Information:	
<ul style="list-style-type: none"> Physical state 	Powder
<ul style="list-style-type: none"> Color 	Red
<ul style="list-style-type: none"> Odour 	Non specific
<ul style="list-style-type: none"> pH(50 g/l (20°C)) 	6-8
<ul style="list-style-type: none"> Boiling point/boiling range 	No data available
<ul style="list-style-type: none"> Melting /Freezing point at 101 325 Pa 	400 °C
<ul style="list-style-type: none"> Flash Point at 101 325 Pa 	250 °C
<ul style="list-style-type: none"> Relative Density 	1.60- 1.65 at 20 °C
<ul style="list-style-type: none"> Vapour pressure 	0 Pa @ 25 °C
<ul style="list-style-type: none"> Vapour density 	No data available
<ul style="list-style-type: none"> Viscosity 	No data available
<ul style="list-style-type: none"> Solubility in water 	traces
<ul style="list-style-type: none"> Solubility in organic solvent (n-octanol) 	No data available

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9.2 Other information:			
Section 10 - STABILITY AND REACTIVITY			
• Reactivity	No data available		
• Chemical stability	Stable.		
• Possibility of hazardous reactions	Risk of dust explosions		
• Thermal decomposition	No data available		
• Conditions to avoid	ignition Avoid excessive heat, flame, and spark.		
• Incompatible materials	not known		
• Hazardous decomposition products	When handled and stored appropriately, no dangerous decomposition products are known		
Section 11 - TOXICOLOGICAL INFORMATION			
11.1 Information on toxicological effects:			
Acute Toxicity	Specie	Administration	Result
acute toxicity: oral	Rat	Gavage	No adverse effect observed LD 50 : 5000 mg/kg bw
Acute toxicity: inhalation	Rat	inhalation	No adverse effect observed Discriminating conc. 1 518 mg/m ³
Dermal route			No adverse effect observed LD50 2 500 mg/kg bw
11.2 Irritation Corrosion:			
<ul style="list-style-type: none"> • Skin: No adverse effect observed (not irritating) , • Eye: No adverse effect observed (not irritating) • Respiration: No study available 			
11.3 Sensitization			
Skin sensitisation			
No adverse effect observed (not sensitising)			
Respiratory sensitisation			
No study available			
11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)			
• Carcinogenicity	Not Carcinogen		
• Mutagenic effects	Not mutagenic		
• Reprotoxic effects	not specified		


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11.5 Other toxic effects on humans:				
• Inhalation	No data available			
• Eyes	No data available			
• Ingestion	No data available			
• Chronic toxicity	No data available			
11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):				
• No information available				
11.7 Specific target organ toxicity:				
• Single exposure	No data available.			
• Repeated exposure	No data available.			
LC0 (4 days) 500 mg/L [1]				
Section 12 - ECOLOGICAL INFORMATION				
12.1 Ecotoxicity:				
	Substance name	Toxicity	Duration	Endpoint with Effective conc. :
	calcium 3-hydroxy-4-[(E)-2-(4-methyl-2-sulfophenyl)diazen-1-yl]naphthalene-2-carboxylate)	Short term toxicity to fish: (Test organism ,species: Oryzias latipes)	4 days	LC50 (4 days): 100 mg/L
		Toxicity to aquatic algae and cyanobacteria (Test organism ,species Desmodesmus subspicatus)	4 days	NOEC Effect conc.: 100 mg/L
		Short-term toxicity to aquatic invertebrates Test organisms (species): Daphnia magna	Fresh water	EC50 / LC50 for freshwater invertebrates
12.2 Persistence and degradability:				
• No data available				
12.3 Bioaccumulative potential:				
• not B/vB				
12.3 Mobility in soil:				
• No data available				
12.5 Results of PBT and vPvB assessment:				
• the substance is not PBT / vPvB				
12.6 Other adverse effects:				

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Section 13 - DISPOSAL CONSIDERATIONS
<p>Product 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 Packaging that cannot be cleaned should be disposed of as product waste</p>
Section 14: TRANSPORT INFORMATION
Not dangerous
Section 15 - REGULATORY INFORMATION
15.1 Other regulatory information:
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture 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.
Inventory Status Listed in: Australia (AICS) Canada (DSL/NDL) China (IECSC) European Union (EINECS/ELINCS) South Korea (KECI) Philippines (PICCS) New Zealand Inventory (NZIoC)
15.2 Chemical Safety Assessment:
A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR) - Yes
15.3 GHS07 : Health Hazard :

Section 16 – OTHER INFORMATION
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.
16.1 Technical Advice:
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"> • Create a Register for Workplace Chemicals; • Set priorities concerning the safety in the organization • Create emergency plans for the assessed hazards;

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<ul style="list-style-type: none"> Organize occupational health care and regular surveys as necessary;
<ul style="list-style-type: none"> 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;
<ul style="list-style-type: none"> Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;
<ul style="list-style-type: none"> Involve workers in safety organizations, such as the system of Safety Representatives and Committees.
<ul style="list-style-type: none"> Do regular inspection using checklists made for the particular chemicals and chemical processes in use;
<ul style="list-style-type: none"> Mark and label all chemicals;
<ul style="list-style-type: none"> 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;
<ul style="list-style-type: none"> 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;
<ul style="list-style-type: none"> Plan, develop and choose the safe working procedures;
<ul style="list-style-type: none"> Reduce the number of people coming into contact with dangerous chemicals;
<ul style="list-style-type: none"> Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;
<ul style="list-style-type: none"> Train workers to know and understand the emergency procedures;
<ul style="list-style-type: none"> Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;
<p>16.2 List of relevant R-phrases</p>