


Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY	
1.1 Identification of the substance	
• Color Index	Pigment Yellow 74
• Substance Name	2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutamide
• EC#	228-768-4
• CAS#	6358-31-2
• Trade Names	SunTone® Yellow 3221
• REACH Registration number	01-2119456819-22-0044
• Chemical Formula	C ₁₈ H ₁₈ N ₄ O ₆
• Structural Formula	
1.2 Use of the Substance/Mixture:	
•	Paints , Pigment dispersions & inks.
1.3 Company/undertaking identification:	
• Manufacturer Details:	VIPUL ORGANICS B-603A,KaledoniaBldg., Sahar Road , Off W-E Highway , Andheri (East) Mumbai - 400 069. (India)
• Only Representative Details	Pharmegic Healthcare Limited 6th Floor, Konstitucijos av. 21A,Vilnius, 08130, Lithuania
1.4 Emergency Telephone:	
• Emergency Telephone & Contact	Contact Person: Mr Suresh Shelar Mobile:+91 8291917557 Email: suresh.shelar@vipulorganics.com

Material Safety Data Sheet

Pigment Yellow 74 (SunTone® Yellow 3221)

[according to Regulation (EC) No 1272/2008 (CLP)]

Section 2 - HAZARDS IDENTIFICATION					
2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)					
Substance is not classified as per CLP Regulation					
<ul style="list-style-type: none">Hazard Class and Category Code(s)	Not Classified				
<ul style="list-style-type: none">Hazard statement Code(s)	Not Classified				
2.2. Labeling according to Regulation (EC) No 1272/2008 (CLP)					
<ul style="list-style-type: none">Hazard Pictogram	Not Classified				
<ul style="list-style-type: none">Hazard Statements	Not Classified				
<ul style="list-style-type: none">Precautionary Statements	Follow general precautionary measures				
2.3. Other hazards					
Not identified					
Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS					
Constituent	CAS No.	EC No.	Typical concentration	Concentration range	Remarks
2-[(2-methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutamide	6358-31-2	228-768-4	99.92% w/w	97-100% w/w	None
Section 4 - FIRST AID MEASURES					
4.1 Description of First Aid measures:					
<ul style="list-style-type: none">General advice	Seek medical assistance if discomfort continues				
<ul style="list-style-type: none">Eye contact	Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.				
<ul style="list-style-type: none">Skin Contact	In case of contact with skin, clean with soap and water.				
<ul style="list-style-type: none">Inhalation	Remove the casualty into fresh air and keep him calm.				
<ul style="list-style-type: none">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 the event of fire the following can be released:

- Nitrous gases (NO_x)
- Carbon dioxide (CO₂)
- Carbon monoxide (CO)
- Hydrogen chloride (HCl)

5.3. Advice for fire-fighters

Use self-contained breathing apparatus

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protective clothing.

6.2. Environmental precautions:

- Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning:

- Take up mechanically
- Avoid dust formation and electrical charging (sparking) because dust explosion might occur.
- When picked up, product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

- When used and handled appropriately no special measures are needed
- Avoid dust formation.

Material Safety Data Sheet

Pigment Yellow 74 (SunTone® Yellow 3221)

[according to Regulation (EC) No 1272/2008 (CLP)]

7.2 Conditions for safe storage:	
<ul style="list-style-type: none"> • Take precautionary measures against electrostatic charges - earthing necessary during loading operations. • Keep away from sources of ignition • Dust can form an explosive mixture with air. • 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"> • General Protective 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 	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
<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 	Solid, Powder
<ul style="list-style-type: none"> • Color 	Yellow
<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 point 	260 - 290°C
<ul style="list-style-type: none"> • Auto Flammability 	>= 180 °C
<ul style="list-style-type: none"> • Density 	1.43 g/cm ³
<ul style="list-style-type: none"> • Vapour pressure 	0 mm Hg
<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 	7.6 µg/L
<ul style="list-style-type: none"> • Solubility in organic solvent (n-octanol) 	0.74 mg/L
<ul style="list-style-type: none"> • log Po/w 	No data available
<ul style="list-style-type: none"> • Index of refraction 	No data available
<ul style="list-style-type: none"> • Particle size distribution (Granulometry) 	0.7 µm

Material Safety Data Sheet

Pigment Yellow 74 (SunTone® Yellow 3221)

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9.2 Other information:			
No data available			
Section 10 - STABILITY AND REACTIVITY			
<ul style="list-style-type: none">• Reactivity	No data available		
<ul style="list-style-type: none">• Chemical stability	No data available		
<ul style="list-style-type: none">• Possibility of hazardous reactions	No data available		
<ul style="list-style-type: none">• Thermal decomposition	No data available		
<ul style="list-style-type: none">• Conditions to avoid	No data available		
<ul style="list-style-type: none">• Incompatible materials	No data available		
<ul style="list-style-type: none">• Hazardous decomposition products	No data available		
Section 11 - TOXICOLOGICAL INFORMATION			
11.1 Information on toxicological effects:			
Acute Toxicity	Specie	Administration	Result
acute toxicity: oral	Rat	Gavage	LD50 > 2 000 mg/kg bw
11.2 Irritation Corrosion:			
<ul style="list-style-type: none">• Skin: Not irritating• Eye: Not irritating			
11.3 Sensitization			
<ul style="list-style-type: none">• not sensitizing			
11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)			
<ul style="list-style-type: none">• Carcinogenicity	No data available		
<ul style="list-style-type: none">• Mutagenic effects	No data available		
<ul style="list-style-type: none">• Reprotoxic effects	No data available		
11.5 Other toxic effects on humans:			
<ul style="list-style-type: none">• Inhalation	No data available		
<ul style="list-style-type: none">• Eyes	No data available		
<ul style="list-style-type: none">• Ingestion	No data available		
<ul style="list-style-type: none">• Chronic toxicity	No data available		
11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):			
<ul style="list-style-type: none">• No information available			
11.7 Specific target organ toxicity:			
<ul style="list-style-type: none">• Single exposure	No data available.		
<ul style="list-style-type: none">• Repeated exposure	No data available.		

Material Safety Data Sheet

Pigment Yellow 74 (SunTone® Yellow 3221)

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Section 12 - ECOLOGICAL INFORMATION			
12.1 Ecotoxicity:			
Aquatic Toxicity	Test organisms	Duration	Result
short-term toxicity to fish	Danio rerio	96 Hour	There was no mortality in control as well as in treated fish at any observation time point.
Short-term toxicity to aquatic invertebrates	Daphnia magna	48 hour	-
toxicity to aquatic algae and cyanobacteria	Desmodesmus subspicatus	72 hour	No inhibiting effects on specific growth rate and yield were found in the saturated solution of 2 mg/L
12.2 Persistence and degradability:			
<ul style="list-style-type: none"> • No data available 			
12.3 Bioaccumulative potential:			
<ul style="list-style-type: none"> • not B/vB 			
12.3 Mobility in soil:			
<ul style="list-style-type: none"> • No data available 			
12.5 Results of PBT and vPvB assessment:			
<ul style="list-style-type: none"> • the substance is not PBT / vPvB 			
12.6 Other adverse effects:			
Section 13 - DISPOSAL CONSIDERATIONS			
Product			
Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities.			
Uncleaned packaging:			
Packaging that cannot be cleaned should be disposed of as product waste			
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			

Material Safety Data Sheet

Pigment Yellow 74 (SunTone® Yellow 3221)

[according to Regulation (EC) No 1272/2008 (CLP)]

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)

<p>HMIS (Hazardous Materials :Identification system) classification</p>	<table border="1" style="margin: 10px auto; border-collapse: collapse;"> <tr><td style="background-color: #0000FF; color: white; padding: 2px;">Health</td><td style="background-color: #0000FF; color: white; padding: 2px; text-align: right;">1</td></tr> <tr><td style="background-color: #FF0000; color: white; padding: 2px;">Fire</td><td style="background-color: #FF0000; color: white; padding: 2px; text-align: right;">1</td></tr> <tr><td style="background-color: #FFFF00; padding: 2px;">Reactivity</td><td style="background-color: #FFFF00; padding: 2px; text-align: right;">0</td></tr> </table> <div style="margin-top: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #0000FF; color: white; padding: 2px;">1= Irritation or minor reversible injury possible.</td></tr> <tr><td style="background-color: #FF0000; color: white; padding: 2px;">1= Materials that must be preheated before ignition will occur.</td></tr> <tr><td style="background-color: #FFFF00; padding: 2px;">0 = Normally stable, even under fire exposure conditions, and is not reactive with water</td></tr> </table> </div>	Health	1	Fire	1	Reactivity	0	1= Irritation or minor reversible injury possible.	1= Materials that must be preheated before ignition will occur.	0 = Normally stable, even under fire exposure conditions, and is not reactive with water
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<p>NFPA (National Fire Protection Association)</p>	<table border="1" style="margin: 10px auto; border-collapse: collapse;"> <tr><td style="background-color: #0000FF; color: white; padding: 2px;">Health</td><td style="background-color: #0000FF; color: white; padding: 2px; text-align: right;">1</td></tr> <tr><td style="background-color: #FF0000; color: white; padding: 2px;">Fire</td><td style="background-color: #FF0000; color: white; padding: 2px; text-align: right;">1</td></tr> <tr><td style="background-color: #FFFF00; padding: 2px;">Reactivity</td><td style="background-color: #FFFF00; padding: 2px; text-align: right;">0</td></tr> </table> <div style="margin-top: 10px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #0000FF; color: white; padding: 2px;">1 =Exposure would cause irritation with only minor residual injury</td></tr> <tr><td style="background-color: #FF0000; color: white; padding: 2px;">1 = Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur</td></tr> <tr><td style="background-color: #FFFF00; padding: 2px;">0 = Normally stable, even under fire exposure conditions, and is not reactive with water</td></tr> </table> </div>	Health	1	Fire	1	Reactivity	0	1 =Exposure would cause irritation with only minor residual injury	1 = Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur	0 = Normally stable, even under fire exposure conditions, and is not reactive with water
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<p>15.2 Chemical Safety Assessment:</p>										
<p>A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR) - Yes</p>										

Material Safety Data Sheet

Pigment Yellow 74 (SunTone® Yellow 3221)

[according to Regulation (EC) No 1272/2008 (CLP)]

15.3 Hazard class for water :
WGK 1 , Low hazard to water (VwVwS , Germany)
Section 16 – OTHER INFORMATION
<p>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.</p>
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; • Organize occupational health care and regular surveys as necessary; • 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; • Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards; • Involve workers in safety organizations, such as the system of Safety Representatives and Committees. • Do regular inspection using checklists made for the particular chemicals and chemical processes in use; • Mark and label all chemicals; • 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; • 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; • Plan, develop and choose the safe working procedures; • Reduce the number of people coming into contact with dangerous chemicals; • Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals; • Train workers to know and understand the emergency procedures; • Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;
16.2 List of relevant R-phrases
Not identified