



# SONA SYNTHETICS PRODUCTS

Plot No: C-1-B/2704/8 , III rd Phase , G.I.D.C. , Vapi - 396195, Gujarat.

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## MATERIAL SAFETY DATA SHEET

### 1) IDENTIFICATION OF SUBSTANCE AND COMPANY

Substance : Zinc tetroxy chromate  
Trade Name : **Zinc Chrome Yellow**  
Chemical Family : Inorganic Anti Corrosive Pigments  
Molecular Formula :  $ZnCrO_4 \cdot 4Zn(OH)_2$   
Manufacturer : **Sona Synthetics Products**  
Plot No. C1B/2704/8, IIIrd phase,  
GIDC, Vapi-396 195  
Tel : +91 260 6544697  
Fax : +91 260 2410469  
Email : [exports@sonachromes.com](mailto:exports@sonachromes.com)  
[sonasynthetics@gmail.com](mailto:sonasynthetics@gmail.com)

### 2) COMPONENTS AND CHEMICAL CHARACTERISATION

Component : Penta zinc chromate octa hydroxide  
Percentage :  $\geq 97\%$   
Color Index Name : Pigment yellow 36.1  
Substance Name : Zinc tetroxy chromate  
Pigment Description : Co-Precipitated of Zinc chromate, and zinc hydroxide  
Color Index No. : 77956  
CAS No. : 49663-84-5  
EINECS No. : 256-418-0

### 3) HAZARD IDENTIFICATION

- Zinc tetroxy chromate can effect you when breathed in and may enter the body through the the skin.
- Repeated exposure can cause a hole in the bone diving the inner nose.Nose bees and sores are erliar signs.
- Exposure can irritate the skin causing rash or skin ulcers.Can also trigger a skin allergy,so that even low exposure cause rash.

## **4) FIRST AID MEASURES**

### **SWALLOWED**

- If swallowed induce vomiting immediately and refer for medical attention where possible without delay.

### **EYE**

- If this product comes in contact with the eyes, Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

### **SKIN**

- If skin contact occurs, Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available).

### **INHALED**

- If products are inhaled move to fresh air from contaminated area. Lay patient down and aid in breathing and get medical attention.

## **5) FIRE AND EXPLOSION DATA**

Flash Point	:	Not Applicable
Auto ignition Temp	:	Not Applicable
Lower Exposure Limit	:	Not Applicable
Upper Exposure Limit	:	Not Applicable
Suitable Fire fighting Media	:	CO2, Foam
Unsuitable Fire fighting Media	:	Water Spray

## **6) ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PRECAUTIONS**

- Avoid breathing dust and contact with skin and eyes.
- Wear protective clothing, gloves, safety glasses and dust respirator.

### **ENVIRONMENTAL PRECAUTIONS**

- Sweep & Transfer into suitable and closed containers for disposal. Keep waste out of sewers. Clear area of personnel and Avoid dusting..

### **METHOD OF CLEANING UP:**

- Clean up waste regularly and abnormal spills immediately.
- Use dry clean up procedures and avoid generating dust.
- Vacuum up or sweep up.
- Place in suitable containers for disposal.

## 7) HANDLING & STORAGE

### PROCEDURE FOR HANDLING

- Avoid all personal contact, including inhalation.
- Wear protective clothing (gloves, safety glasses and dust respirator) when risk of exposure occurs.
- Wash thoroughly after handling,

### RECOMMENDED STORAGE METHODS

- Polyethylene or polypropylene container/Bag.
- Check all containers are clearly labeled, closed and free from leaks.
- Keep away from food and feed products.

## 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

### Respiratory Protection

- Local exhaust ventilation , Air-purifying respirator

### Hygiene measure

- Keep away from foodstuffs and beverages.
- Wash hands before breaks and after work.
- Clean skin thoroughly after work, apply skin cream.

### Hand protection

- Protective rubber gloves

### Eye protection

- safety glasses

## 9) PHYSICAL DATA & CHEMICAL PROPERTIES

Description	:	Yellow colour Powder
Odour	:	odourless
% Volatiles	:	Max 1%
Boiling Point	:	Not Available
Melting Point	:	Not Available
Specific Gravity	:	3.0 – 3.2
Evaporation	:	Not Applicable
pH	:	6.0 – 7.0 (10 gms/250 ml water)
Solubility in Water	:	< 0.5 g/l

## 10) STABILITY AND REACTIVITY

- Under normal condition of storage and use, product is considered stable.
- Hazardous decomposition products are none (If proper processing)

## **11) TOXICOLOGICAL INFORMATION**

- Actual Oral toxicity LD50(rat) >30 mg/kg

## **12) ECOLOGICAL INFORMATION**

- This product is insoluble in water and can be separated by sedimentation or filtration process.
- Avoid infiltration in waste water drainage or soil.
- Aquatic organisms may cause long-term adverse effects in the aquatic environment.
- This material and its container must be disposed of as hazardous waste.
- Avoid release to the environment.

## **13) DISPOSAL CONSIDERATIONS**

- 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.

## **14) TRANSPORT INFORMATION**

- GGV IMDG CODE : None
- ICAO/IATA-DGR : None
- UN No. : None
- RID/ADR : None

## **15) REGULATORY INFORMATION**

- According to the current European regulations relating to classification, packing and labelling of dangerous substance and preparations, this product is not considered dangerous

## **16) OTHER INFORMATION**

- The MSDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.
- This information is based on our present state of knowledge. It should not therefore, be construed as guaranteeing specific properties of the products described or their suitability for a particular application.