



**ZSIVIRA CHEMIE MERK PRIVATE LIMITED**  
According to 91/155EC

**Material Safety Data Sheet**

Date of Issue : 20.04.2018

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**1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND DETAILS OF THE COMPANY**

**Product Details**

Trade Name : **TENSYN OS**

Generic Name : Synthetic Organic Tanning Agent

Usage : In Leather Processing (See S.No.16)

**Manufacturer/Supplier details :**

**ZSIVIRA CHEMIE MERK PRIVATE LIMITED**

No.9.Arkeeshwarar Colony Main Road, Lakshmipuram, Chromepet, Chennai – 600 044, INDIA

Emergency Telephone Number : +91-44-65855819 or call your nearest poison control center

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Characterization :** Phenol condensation product

**Dangerous Components :** VOID

| CAS NO. | Designation | % | Index | R-Phrases |
|---------|-------------|---|-------|-----------|
|---------|-------------|---|-------|-----------|

**3. HAZARDS IDENTIFICATION**

**Hazard Designation:**

According to present state of knowledge, provided that this product is handled correctly, there is no known danger to humans.

**Information pertaining to particular dangers for man and environment :**

No particular hazards known.

**4. FIRST AID MEASURES**

**General Information :** Take affected persons into the open air.

**After Inhalation :** supply fresh air, consult doctor in case of symptoms.

**After skin contact :** Instantly wash with soap and water.

**After eye contact :** Immediately rinse eyes with plenty of water.

**After swallowing :** In case of persistent symptoms consult doctor. Show container or the label.

**5. SPECIAL FIRE FIGHTING PROCEDURES**

**Suitable extinguishing agents :** Foam, Carbon di oxide , dry powder, water spray

**For safety reasons unsuitable extinguishing agents :** No restrictions

**Preventive equipment :** Inhalation mask while packing.

**Additional Information :** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.



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### 6. ACCIDENTAL RELEASE MEASURES

**After spillage, leakage , gas leakage : Use personal protective equipment.**

**Large Amounts :** Do not let the drain in rivers, ponds or sewer systems.

**Small Amounts :** Prevent material from reaching sewage system, holes and cellars.

Take up with absorbent material such as sand and dispose.

**Cleaning of equipment :** Pick up with absorbent material. Dispose of absorbed material in  
Accordance with regulations

**Additional information :** No dangerous substance are released

### 7. HANDLING AND STORAGE

**Handling:**

**Information for safe handling :**

No special measures required

**Information about protection against explosions and fires :** No special measures required.

**Storage :**

No special measures required for storing in store rooms/containers/common storage facility.

Keep in a cool/dry place.

**Storage class :**

**Class according to regulation on inflammable liquids :** Void

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| CAS NO. | Designation | % | Type | Value | Unit |
|---------|-------------|---|------|-------|------|
|---------|-------------|---|------|-------|------|

The product does not contain any relevant quantities of materials with critical values that have to be Monitored at the work place.

**Additional occupational Exposure Limit values for possible hazards during processing :**

During Inhalation : 10mg m<sup>-3</sup> ( 8 – Stunden as per European Norms)

**Additional Information :**

The lists that were valid during the compilation were used as basis.

**Personal protective equipment :**

General protective and hygienic measures : Wash hands during breaks and at the end of work.

Respiratory Protection : Dust Mask.

Protection of hands : No special protection needed

Eye Protection : goggles with side pieces during packing.

Body Protection : Not required.



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### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : Powder  
Colour : Pale Brown  
Odour : Slight  
Change in condition : NIL  
Boiling Point/range : approx. 150°C  
Flash Point : >Not applicable  
Self inflammability : Product is not self inflammable.  
Danger of Explosion : Product is not explosive.  
Density : approx at 20°C 0.5g/cm<sup>3</sup>  
Solubility/Miscibility in water : Dispersible  
pH value : at 30°C (100g/ltr) – 5 – 6.5

### **10. STABILITY AND REACTIVITY**

Thermal decomposition / conditions to be avoided :  
No decomposition if used according to specifications.

Dangerous products of decomposition :  
When used and handled as intended, none.

### **11. TOXICOLOGICAL INFORMATION :**

Remarks : According to experience, the product is considered to be harmless to health if used in  
Correct manner.

#### **Primary irritant effect :**

On the skin : No irritant effect  
On the eye : slightly irritant  
Sensitization : No sensitizing effect found

### **12. ECOLOGICAL INFORMATION :**

Remark : No data Available  
General Notes: Contains NO AOX  
Water hazard class 1 (Self Assessment) : slightly hazardous for water.  
Do not allow undiluted product or large quantities of to reach ground water, water bodies or sewage  
System.



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### **13. DISPOSAL CONSIDERATIONS :**

Organically bounded chemical elements in the product : Mix with flammable liquids.

Recommendation : In accordance with local authority regulations, take to special waste incineration Plant.

Uncleanness packaging : If empty contaminated containers are recycled or disposed of , the receiver must be informed about possible hazardous.

Recommendation : Disposal must be made according to official regulations.

Recommended cleaning agent : Water, if necessary with cleaning agents.

### **14. TRANSPORT INFORMATION :**

Land transport ADR / RID : (Cross Border )

ARD / RID – GGVS / E Class : – –

Maritime transport IMDG :

IMDG Class : – –

Air transport ICAO – TI and IATA – NON DGR:

ICAO / IATA Class :

### **15. REGULATORY INFORMATION**

Designation according to EC guidelines : Observe the normal safety regulations of handling chemical

The product is not subject to identification regulations under EC Directives.

National regulations : Products is not subject to the regulations on flammable substances.

### **16. ADDITIONAL INFORMATION**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The product is intended to be used in Leather Industry as Leather Tanning Auxiliary.