



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

**Material Safety Data Sheet**

Date of Issue : 20.09.2012

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

**Product Details**

Product Name : ZSIVITAN CZ1

**Manufacturer/Supplier details :**

**ZSIVIRA CHEMIE MERK PRIVATE LIMITED**

9.Arkeeshwarar Colony Main Road,  
Lakshmpuram, Chennai - 600 044. INDIA

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

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Characterization :** CHROMIUM SULPHATE Condensated with NAPHTHALENE AMIDE

**Dangerous Components :**

CAS NO.	Designation	%	Index	R-Phrases
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VOID

**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 running water.

**After ingestion :** 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

**Special advice in case of fire :** No special advice.

**Preventive equipment :** Do not inhale explosion and / or combustion gases.

**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 liquid 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 :** See Sec 8 for information on personal protection equipment

### 7. HANDLING AND STORAGE

**Handling:**

**Information for safe handling :**

When working with the product vapours/aerosols may be evolved; therefore a local exhaust and Ventilation are recommended.

**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 :** 10

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

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS NO.	Designation	%	Type	Value	Unit
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The product does not contain any relevant quantities of materials with critical values that have to be Monitored at the work place.

**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 : Breathing apparatus in the event of aerosol or mist formation.

Short term : Filter apparatus, combination filter A-P2.

Protection of hands : Protective PVC gloves.

Eye Protection : goggles with side pieces.

Body Protection : Not required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder

Colour : Dark Green

Odour : Characteristic

Change in condition : Mildly Hygroscopic. No particular change in condition.



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Flash Point : >100°C  
Self inflammability : Product is not self inflammable.  
Danger of Explosion : Product is not explosive.  
Density : approx at 25°C 1.280g/cm<sup>3</sup>  
Solubility/Miscibility in water : Readily miscible  
pH value 10% : at 25°C 4.5 to 5.5

**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 : Irritant  
Sensitization : Slight sensitizing effect found

**12. ECOLOGICAL INFORMATION :**

Remark : No data Available

General Notes:

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.

**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 disposedof , 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.



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**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 - 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.  
Water hazard class L Water hazard class 1 (Self Assessment) : Slightly hazardous

**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.