



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/cm³
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.