



ZSIVIRA CHEMIE MERK PRIVATE LIMITED

According to 91/155EC

Material Safety Data Sheet

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

Product Details

Trade Name : **CATAZYME JT**

Manufacturer/Supplier details :

ZSIVIRA CHEMIE MERK PRIVATE LIMITED

No.9.Arkeeshwarar Colony Main Road, Lakshmpuram, 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 : STABILISED ENZYMES

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. Avoid Inhaling fine powder

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-3 (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 : Not required.

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 : Tan colour
Odour : Slight ferment odour
Change in condition : NIL
Boiling Point/range : N.A
Flash Point : > N.A
Freeze Point : N.A
Self inflammability : Product is not self inflammable.
Danger of Explosion : Product is not explosive.
Density : approx at 25°C - 1.004gm/cm³
Solubility/Miscibility in water : Fully Soluble
10% pH value : - 6.0 to 8.0

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
Inhalation : May cause allergic to respiratory system by direct inhalation of this powder.

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.

Uncleaness 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 :

IATA - Not Restricted

ICAO- Not Restricted

DGR Regulations

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.

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. Used as leather softening agent in leather tanning.