ADAGA NANOCOP

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Name : Adaga Nanocop

1.2 Usage of Substance/Preparation
Fertilizer

1.3 Company / business owner's description

ADAGA GIDA VE DANIŞMANLIK SAN. A.Ş.
Address :
Varsak Industrial Zone 1th Block Nº22E 8525 Street Altıayak district Kepez Antalya/Turkey
Tel: +90242 340 00 33

1.4 Emergency Phone Number :

+90242 340 00 33 (between 09:00 – 18:30)

2. INFORMATION ABOUT COMPOSITIONS / CONTENTS

Material	Cas No	Concentration	EC No	Class	R clauses
Copper (Cu) (Water Soluble)	1317-38-0	4,0 %	215-269-1	X,N	R22-50/53
Chitosan (N-asetil -D-glikozamin)	9012-76-4	2,5 %	-	-	-

3. HAZARDS IDENTIFICATION

Hazards to health
Not hazardous according to Directive 67/548/EEC.
Hazards to environment
Not hazardous according to Directive 67/548/EEC.

4. FIRST-AID MEASURES

When you fell unwell, seek medical help.

4.1 Respiration
Remove the sufferer to fresh air and rest. Medical intervention should be done according to symptoms.

4.2 After skin contact
Contaminated clothing should be removed immediately. Wash off with soap and water. If discomfort persists, seek medical advice.

4.3 After eye contact
In case of contact immediately flush with plenty of water for at least 15 minutes with water. Seek medical attention if irritation persists.

4.4 If swallowed

Wash mouth with plenty of water. Patients have not to be drink sth or try to disgorge without the advice of doctor. Should be treated according to symptoms leads.

5. Fire Fighting Measures

METHOD OF FIGHTING

Suitable Extinguishers: Water spray. Carbon dioxide, dry chemical powder, or an appropriate foam.

SPECIAL RISKS

Special Hazard (s): In case of fire may emit toxic gases.

SPECIAL PROTECTIVE EQUIPMENT

Use self contained breathing apparatus. Wear gloves and protective clothing.

6. Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a
concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

7.1 Proposal for Safe Use

Use only in well ventilated areas. Empty containers follow the instructions in the safety against the risk of residual exposure.

7.2 Storage Conditions

Keep product in tightly closed containers in dry, cool and ventilation system. Keep from direct sunlight. Product should be kept in original packaging at room temperature. Food, drink and animal feeding stuffs are kept away from storage. Keep out of reach of children.

8. Exposure Controls / Personal Protections

ENGINEERING CONTROLS
Shower and eye bath should be safe. Mechanical air-evacuation system is required.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling. During use do not eat, drink or smoke or not smoke.

PERSONAL PROTECTIVE EQUIPMENT
Hand Protection: Water-resistant gloves
Eye Protection: Use goggles
Body Protection: Use long-sleeved and long legged clothing.

9. Physical and Chemical Properties

Appearance : Liquid Physical State: Translucent liquid

Property	Value
pH	N /A
Melting temperature	N / A
Density	N / A
Decomposition point	N / A
Flash Point	N / A
Flame	N / A
Autoignition Temperature	N / A
Oxidizing Properties	N / A
Explosive Properties	N / A
Explosion Limits	N / A
Vapor Pressure	N / A
SG / Density	N / A
Division factor	N / A
Viscosity	N / A
Vapor Density	N / A
Solubility	Soluble
Odor	Specific odor

10. Stability and Reactivity

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Excess heat (high temperatures), incompatible materials, exposure to air
Incompatibility with various substances: Reactive with metals, alkalis.
Special Remarks on Reactivity:
Air Sensitive. Slowly efforescent in air. Solutions of hyprobromite are decomposed by powerful catalytic action of cupric ions, even as impurities. Incompatible with finely powdered metals.
Polymerization: Will not occur.

11. Toxicological Information

SIGNS AND SYMPTOMS OF EXPOSURE
To the best of our knowledge, the chemical, physical, and toxicological properties have not been
thoroughly investigated.
ROUTE OF EXPOSURE
Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be
harmful if inhaled.
Ingestion: May be harmful if swallowed.

12. Ecological Information

No certain information about ecological statements.

13. Disposal Information

Empty containers should be washed with water and wash water should be used as a pharmaceutical preparation water.
Empty containers should be drilled to prevent reuse.
Water (river, lake, sea and sewage) contamination must be prevented.

14. Transport Information

RID/ADR
Non-hazardous for road transport.
IMDG
Non-hazardous for sea transport.
IATA
Non-hazardous for air transport.

15. Regulatory Information

Can be Harmful in high consumptions.

R-clauses :
R 22-50/53 : Harmful if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-clauses :
S 22-61 :Do not breathe dust. Avoid release to the environment. Refer to special instructions/ Safety data sheets.

16. Other Information

Safety Data Sheet is included in the health, safety and environmental information about the time of the form given by examining the existing reliable sources. Was shown to the accuracy of the information with the utmost care, about the excellence and accuracy of information contained in this document that are not guaranteed to be.

The health, safety precautions and environmental advice that contained in this document may not be sufficient to all individuals and / or situations. To evaluate the material, to use in a safe manner and that issues related to use of the users' responsibility that comply with relevant laws and regulations.

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