

Material Safety Data Sheet
אלפאנול סופר – Alphanol Super

Revised: 21.06.10

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Alphanol Super

Use: Plant growth regulator

Formulation Type: SL

Manufacturer: Tapazol Chemical works Ltd.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS no.	Quantity (g/l)
NAA (1-naphthaleneacetic acid; 1-naphthylacetic acid; alpha-naphthaleneacetic acid; C ₁₂ H ₁₀ O ₂)	86-87-3	201

3. HAZARDS IDENTIFICATION

Alphanol super may cause severe eye irritation and slight skin irritation in prolonged exposure.

4. FIRST AID MEASURES

Eyes: Flush eyes immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin: Flush with large amounts of water; use soap or detergent if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

Ingestion: If swallowed, do not induce vomiting. Keep at rest. Get prompt medical attention.

Inhalation: Wear proper respiratory protection before rescue. Immediately remove the affected victim from exposure to an area of fresh air. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention

Note to physician: Treat symptomatically, no specific antidote.

5. FIRE-FIGHTING MEASURES

Flash point: $>100^{\circ}\text{C}$.

Extinguishing media: CO₂ for small fires, foam, dry chemical powder or water spray for large fires.

Protective equipment: Wear self-contained breathing apparatus and protective clothing.

Hazardous products of combustion may include: Toxic fumes such as CO, CO₂.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear personal protective equipment as in section 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Environmental Protection: Prevent from entering sewers and watercourses.

Control Procedure: Eliminate source of ignition. Prevent additional discharge of material, if possible to do so without hazard. For spills in public area, keep public away and advise local authorities.

Contain spilled liquid with sand or earth, recover by pumping or with a suitable absorbent and consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7. HANDLING AND STORAGE

Storage: Keep container tightly closed in a cool, dry, ventilated area. Protect against physical damage. Separate from incompatibilities. Avoid dust formation and control ignition sources. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process capable of generating dust and/or static electricity. Do not store near food and feedstuff.

Handling: Do not eat, drink or smoke while handling the product.

After handling wash thoroughly with water and soap and change clothes. Launder working clothes in separate from other laundry.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls: Local exhaust ventilation is recommended to control process emission near the source.

Eye/ Face protection: Wear safety glasses with side shields.

Skin/Body protection: Wear long sleeved shirt, long pants and closed working shoes.

Respiratory protection: Use NIOSH/MSHA approved respirators.

Hand protection: Wear chemical resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent liquid.

Odor: Naphthalene like odor.

Density: 1.095 g/ml.

Flash point: >100°C.

10. STABILITY AND REACTIVITY

Chemical stability: Stable under ordinary conditions of use and storage.

Conditions to avoid: Heat, flame, ignition sources, dusting and incompatibles

Incompatibles: strong bases and strong oxidizing agents.

Hazardous decomposition products: Complete combustion will emit carbon dioxide and water when heated to decomposition. Incomplete combustion gives addition carbon monoxide and oxidation products, including organic acids, aldehydes and alcohol.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50 for rats: >5000 mg/kg.

Dermal: LD50 for rabbits : >10000 mg/kg.

Inhalation: LC50 (1h): >20000 ppm.

Skin irritation: The AI NAA may cause slight skin irritation in prolonged exposure.

Eye irritation: Severe irritant (rabbits).

12. ECOLOGICAL INFORMATION

For AI NAA:

Fish: LC50 FOR Rainbow trout: 57 mg/l, for Bluegill sunfish: 82 mg/l.

Daphnia: LC50 (48h): 360 mg/l.

Birds: Dietary LC50 (8d) for mallard ducks and Bobwhite quail: >10000 mg/kg diet.

Bees: Not toxic when used as directed.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations. Avoid entry of product into sewer system or water surfaces.

14. TRANSPORT INFORMATION

UN no.: Not classified as dangerous goods

Class: N/A

Packaging group: N/A

15. REGULATORY INFORMATION

R phrases:

R36: Irritating to eyes

R38: Irritating to skin

S phrases:

S1/2: Keep locked up and out of the reach of children

S3/7/9: Keep container tightly closed in a cool, well-ventilated place

16. OTHER INFORMATION

Disclaimer: The information provided by TAPAZOL CHEMICAL WORKS Ltd. In the above document is given in good faith and to the best of our knowledge. However, no warranty is expressed or implied.