



ULINK AGRITECH PRIVATE LIMITED
MATERIAL SAFETY DATA SHEET : HOLD ON

1: IDENTIFICATION

Technical Name	1-Naphthylacetic acid	Trade Name	HOLD ON
Synonyms	Alpha Naphthyl Acetic Acid 4.5% SL	Molecular Formula	C ₁₂ H ₁₀ O ₂
Uses	Plant growth regulator		
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	#CAS	Percent or Content (w/w)
Alpha Naphthyl Acetic Acid Tech (based on 100%w/w a.i.)	86-87-3	4.5 %
Other Ingredients	-	Q.S

3: HAZARD IDENTIFICATION

Classification of the Substance or Mixture: Classification according to Regulation (EC) No 1272/2008 (CLP) - Acute toxicity (oral) 4
Serious eye damage/eye irritation 2 Aquatic Chronic Toxicity 3

Label Elements: Signal Word: Warning **Pictograms:** GHS07

Hazard Statements: H302 Harmful if swallowed; H319 Causes serious eye irritation; H412 Harmful to aquatic life with long lasting effects

Labelling of packages where the contents do not exceed 10 ml: Not required

The provided hazard identification data pertains specifically to the material at a 100% active ingredient (a.i.) concentration.

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move patients to fresh air. Keep the patients warm and at rest. Allow patients to rest. If person is not breathing, give artificial respiration.

Immediately seek medical attention.

Ingestion: Rinse mouth with water. Do not give anything to an unconscious person. Seek medical attention immediately.

Skin Contact: In case of contact with product, immediately wash with plenty of water and soap. Remove and isolate contaminated clothing and shoes. Seek medical attention.

Eye Contact: Rinse immediately with plenty of water for several minutes with eyes wide open. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific antidote is available. Treat symptomatically

Most Important Symptoms and Effects, Both Acute and Delayed: Vomiting, Irritation.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, alcohol-resistant foam, dry extinguishing powder, ABC-powder or carbon dioxide

Unsuitable Extinguishing Media: Water Jet

Hazardous Combustion Products: In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂)

Special Procedures: Do not discharge extinguishing water into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool with water spray. Use of contaminated buildings, area and equipment has to be avoided until decontaminated.

Protection of Fire Fighters: Do not breathe a fumes. Wear full protective clothing and self contained breathing apparatus for fire fighting if necessary.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Wear appropriate personal protective equipment to minimize the contact. Avoid contact with skin, eyes and clothes

Environmental Precaution: Keep away from drains, surface and groundwater. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

Methods for Cleaning-up: Clean up any spills as soon as possible, using an absorbent material to collect it. Collect spilled material in sealed containers. Use explosion-proof equipment in clean up procedure, which may produce sparks. Remove according to national or local legislation clean the polluted area. Do not dump into the sewer, on the ground or into any body of water.

7: HANDLING & STORAGE

Handling: Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Wear appropriate protective safety equipments during product handling. Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with soap and water before and after handling the product. Avoid inhalation. Avoid prolonged or repeated exposure. Good personal hygiene procedures must be practiced.

Storage: Store in dry, cool, well-ventilated area and away from heat and direct sunlight. Keep in original container and tightly closed when not in use. Keep the product away from reach of children and animals. Ensure that storage conditions comply with applicable local and national regulations.

8:EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. Do not inhale. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Always use NIOSH/MSHA approved respiratory protection equipment.

Skin Protection: Wear suitable protective clothing, including boots, gloves, lab coat, apron or cover all, as appropriate to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Safety goggles, chemical splash goggles or face shield for eyes protection should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9:PHYSICAL/CHEMICAL PROPERTIES

Appearance: Liquid

Colour: White

Solubility: Soluble in water

Physical State: Liquid

Odour: Characteristic

10:STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Conditions to Avoid: Extremes of temperature and direct sunlight..

Hazardous Decomposition Products: Nature of decomposition not known

Materials to Avoid: Strong oxidiser, Strong alkali

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Harmful if swallowed.

Toxicological Information: Toxicity data mentioned is based on active ingredients.

Eye: Strong Irritant

Skin: Non-irritant

Respiratory or Skin Sensitisation: Not a respiratory or skin sensitisier.

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Repeated dose toxicity: Not classified

Mutagenicity: Not classified

12: ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects

Daphnia magna EC50 [mg/L/48h]: 180

Rainbow trout (Oncorhynchus mykiss) LC50 [mg/L/96h]: 41

Persistence / Degradability Mobility: Not available

Bioaccumulation Potential: Does not significantly accumulate in organisms.

13: DISPOSAL CONSIDERATION

Spillage disposal: Do not wash away into sewer. Do not let this chemical enter the environment. Sweep spilled substance into containers, if appropriate, moisten first to prevent dusting. Carefully collect remainder and then remove it to safe place.

Contaminated Packaging: Add rinsing to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return containers to recycler in a local authority of landfill. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. Empty containers and product should not be burnt. Disposal must be in accordance with applicable local regulations. Remove non-useable solid materials and/or contaminated soil for disposal in an approved and permitted landfill. Do not flush into surface water or sanitary sewer systems.

14: TRANSPORT INFORMATION

UN No. Not subject to transport regulations

Proper Shipping Name: Not Assigned

Packing Group: Not Assigned

Environmental Hazards: Non-environmentally hazardous acc. to the dangerous goods regulations

15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture: Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII: Not listed

List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list: Not listed

H-Statements: H302 H319 H412

16: OTHER INFORMATION

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