

**MATERIAL SAFETY DATA SHEET****STRIKE-505 (Chlorpyrifos 50% EC + Cypermethrin 5% EC)****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND SUPPLIER**

<b>PRODUCT NAME</b>	:	STRIKE-505
<b>TRADE NAME</b>	:	Chlorpyrifos 50% EC + Cypermethrin 5% E.C.
<b>CHEMICAL FORMULA</b>	:	Chlorpyrifos:- C <sub>9</sub> H <sub>11</sub> Cl <sub>3</sub> NO <sub>3</sub> PS Cypermethrin:- C <sub>22</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>3</sub>
<b>RECOMMENDED USE</b>	:	A liquid insecticide for agricultural use only.
<b>SUPPLIER ADDRESS</b>	:	Arbuda Agrochemicals Pvt. Ltd 1104, Ruby Crescent Business Boulevard, Ashok Chakravarti Road, Kandivali - East, Mumbai-400101, Maharashtra, India Customer Care No- +91 9076907642 Email - <a href="mailto:info@arbudaagrochemicals.com">info@arbudaagrochemicals.com</a>
<b>MANUFACTURER ADDRESS</b>	:	Arbuda Agrochemicals Pvt Ltd Plot No-281-283, GIDC, Taluka -Talod District- Sabarkantha, Gujarat-383215

**2. COMPOSITION/ INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS NO.</b>	<b>Percent or content (w/w)</b>
Cypermethrin a.i.	52315-07-8	5%
Chlorpyrifos a.i.	2921-88-2	50%
Other ingredients	-----	45%

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Harmful if inhaled, swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes and clothing. The active ingredient may produce sensations (burning, numbing and tingling) in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash before reuse.

**POTENTIAL HEALTH EFFECTS:** Effects from overexposure result from inhalation or contact with the eyes or skin. Symptoms of overexposure include decreased activity, tremors, and convulsions, loss of bladder control, in coordination, and increased sensitivity to sound. Contact with cypermethrin may produce skin sensations such as numbing, burning and tingling. These skin sensations are reversible and usually subside within 12 hrs.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known

## 4. FIRST AID MEASURES

- Eyes** : Flush eyes immediately with plenty of water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Get medical attention immediately.
- Skin** : In case of contact with product, wash immediately skin area with plenty of water and soap. Speed in removing material from skin is extremely important. In contact with eyes flush with plenty of water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Call medical attention.
- Ingestion** : Call for medical attention urgently. Do not induce vomiting or give liquids. Vomiting should be induced only under professional supervision. Never give anything by mouth to an unconscious person. Make the exposed lie down and keep him warm and calm. Gastric lavage is to be applied and medical grade activated carbon given to the patient. Keep respiratory and heart functions under observation and control.
- Inhalation** : Remove the victim to fresh air. If breathing stops, apply artificial respiration. Call for medical attention.
- Note to Medical Doctor** : There is no specific antidote if this product is ingested. Treat symptomatically. Skin contact paresthesia effects (itching, tingling, burning or numbness) are transient, lasting up to 24 hours. Treat symptomatically. Contains petroleum distillate - vomiting may cause aspiration pneumonia

## 5. FIRE-FIGHTING MEASURES.

- Extinguishing Media** : Dry chemical, CO<sub>2</sub>, Alcohol foam
- Fire & explosion hazards:** : When heated to decomposition it emits very toxic fumes of CO, CO<sub>2</sub>, CL<sup>-</sup>, NO<sub>2</sub>, and CN<sup>-</sup>. Possible toxic smoke, vapors, fallout and runoff water can result from fires depending on extent of combustion and presence of other combustible materials. Contaminated buildings, areas, and equipment must be properly decontaminated before reuse.
- Fire-fighting Equipment** : Wear protective equipment and breathing apparatus. Direct water onto intact containers to keep them cool. Call fire bridge immediately. Self-contained breathing apparatus with full-face piece and protective clothing

## 6. ACCIDENTAL RELEASE MEASURES

- Action to take for spills/leaks** : Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 8 “Exposure Controls/Personal Protection”. Keep unprotected persons and animals out of area. Keep material out of lakes, streams, ponds, and sewer drains. Dike to confine the spill and absorb with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump waste into a drum and label contents for disposal.

To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e., methanol, ethanol, or isopropanol).

Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary. Dispose of drummed waste according to the method outlined in Section 13 “Disposal Considerations.

## 7. HANDLING AND STORAGE

- Handling** : General precautions: Do not smoke, drink, or eat during handling. Wash hands using liquid detergent. Wear protective clothing to avoid contact and/or inhalation with the product. Eliminate all sources of ignition from areas where the material is handled or used. Good personal hygiene procedures must be practiced. Specific conditions: Good local exhaust ventilation. Full face protective mask.
- Storage** : The packages containing the insecticide shall be stored in separate room or premises away from the rooms or premises used for storage of the food articles or shall be kept in separate almirahs under lock and key depending on the quantity and the nature of the insecticide.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering controls** : Manufacturing: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. End use: Generally not required when treatment dilution is used but local exhaust or ventilation may be used if necessary.
- Personal protection** : *Eye/face protection:* Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a face-shield, selected in regard to exposure potential. *Respiratory protection:* Not normally needed for this product when diluted in water for end-use application. When needed, use MSHA/NIOSH approved respirator for pesticides. *Dermal protection:* Chemical resistant gloves, long pants, long sleeved shirt. Remove and wash contaminated clothing before reuse. Wash separately from other laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Specific gravity</b>	:	1.13 to 1.15 g/cc
<b>Appearance</b>	:	Light yellow liquid
<b>Odor</b>	:	Aromatic
<b>Flash point</b>	:	Above 43°C
<b>Acidity</b>	:	Max. 0.30%

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	:	Stable for two years at ambient conditions.
<b>Incompatibility</b>	:	Strong oxidizing and alkaline agents.
<b>Hazardous decomposition products</b>	:	When heated to decomposition it emits very toxic fumes of CO, CO <sub>2</sub> , Cl <sup>-</sup> , NO <sub>2</sub> , and CN <sup>-</sup> .

## 11. TOXICOLOGICAL INFORMATION

<b>Eyes</b>	:	Non-irritant (rabbits)
<b>Skin irritation</b>	:	Non-irritant (rabbits)
<b>Oral</b>	:	LD50 for rats is >800 mg/kg.
<b>Dermal</b>	:	LD50 for rats is >4000 mg/kg.
<b>Inhalation</b>	:	The LC50 for rats is >5 mg/L for 4 hours. (active ingredient)
<b>Skin sensitization</b>	:	Not a skin sensitizer

## 12. ECOLOGICAL INFORMATION

<b>Toxicity to Fish, Bluegill sunfish</b>	:	LC50 (96 h): 0.21 mg/l (Chloropyrifos + Cypermethrin)
<b>Toxicity to Bee, Apis indica</b>	:	LD50 (oral): 38 ng/bee (Chloropyrifos + Cypermethrin)
<b>Toxicity to algae, Algae, Selenastrum capricornutum</b>	:	ErC50: >1.1 mg/l (Chloropyrifos + Cypermethrin)
<b>Toxicity to Daphnia</b>	:	EC50 (48 h) 0.0.00034mg/l (Chloropyrifos + Cypermethrin)
<b>Toxicity to birds, Mallard ducks</b>	:	LD50: > 3950 mg/kg (Chloropyrifos + Cypermethrin)
<b>Toxicity to Earthworm Eisenia foetida</b>	:	LC50 :> 120 mg/kg soil (Chloropyrifos + Cypermethrin)

### 13. DISPOSAL CONSIDERATION

**Disposal Method** : Product disposal: Do not empty into drains or waterways. Disposal of product would usually be by incineration in an appropriate **licensed** commercial incinerator. Advice may be obtained from local waste regulation authorities. Container disposal: Puncture container to avoid re-uses. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by local authorities, by burning. If burned, stay out of smoke. Follow advice on product label and/or leaflet.

### 14. TRANSPORT INFORMATION

#### ADR/RID Classification

**Proper shipping Name** ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE

**UN No.** : 3017

**Packing Group** : III

**Hazard Class** : 6.1

#### IMDG Classification

**Proper shipping Name** : ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE

**UN No.** : 3017

**Packing Group** : III

**Hazard Class** : 6.1

#### IATA/ICAO Classification

**Proper shipping Name** : ORGANOPHOSPHORUS PESTICIDES, LIQUID, TOXIC, FLAMMABLE

**UN No.** : 3017

**Packing Group** : III

**Hazard Class** : 6.1

**15. REGULATORY INFORMATION**

<b>Hazard symbol</b>	:	<b>GHS06, GHS09</b>
<b>H-Phrase</b>	:	H301: toxic if swallowed H312: harmful in contact with skin H330: fatal if inhaled H400: very toxic to aquatic life H410: very toxic to aquatic life with long lasting effects
<b>Signal word</b>	:	<b>DANGER</b>
<b>Phrase</b>	:	S1/2: Keep locked up and out of the reach of children. S13: Keep away from food, drink and animal feeding stuffs. S20/21: When using, do not eat, drink or smoke. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin, wash immediately with plenty of water and soap. S36/37/39: wear suitable protective clothing, gloves and eye/faceprotection. S45: In case of accident or if you feel unwell, seek medical advice (show the label where possible)

**16. OTHER INFORMATION**

<b>MSDS PREPARATION DATE</b>	<b>01/03/2024</b>
<b>REVISION DATE</b>	<b>28/02/2026</b>

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to Date information. The information given in this data sheet does not constitute or Replace the user's own assessment or work risk as required by other health and Safety legislation.