

	FINE DAILY (PRIVATE) LIMITED	Document No.	FD-SDS-086
	SAFETY DATA SHEET	Issue Date	Apr - 2025
	AEROSOL INSECTICIDE SPRAY All Insect Killer	Revision No.	0
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SECTION 1: IDENTIFICATION

Product: Insecticide Spray All Insect Killer - Aerosol
Brand Name: KINGTOX

Supplier: M/S Fine Daily (Pvt.) Limited

Aerosol Insecticide Spray All Insect Killer (KINGTOX) Brand and all allied products.

Insecticide concentrate is filled in Aerosol Cans (metal) with propellant to pressurize can-content and make it spray-able.

INTENDED USE: Household Insecticide product.

SECTION 2: HAZARD IDENTIFICATION

Hazard Classification:	FLAMMABLE AEROSOLS GASES UNDER PRESSURE Causes Skin Irritation	  
Signal Word(s):	Warning, Danger	
Hazard Statements:	Flammable aerosol. Contains gas under pressure; may explode if heated. Pressurized container: may burst if heated. Causes serious skin irritation.	
Precautionary Statements	General: Keep out of reach of children. Read label before use. If medical advice is needed, have product container or label at hand. Prevention: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Do not breathe dust or mist. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Do Not Use Near Heat. Avoid inhalation. Use Only As Directed. Storage: Keep Out of Reach of Children. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.	
Other Hazards	Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Excessive exposure to spray mist, fog or vapor may cause respiratory irritation.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Conc. %
Permethrin	52645-53-1	0.315 - 0.385%
Esbiothrin	84030-86-4	0.27 - 0.33%
Cypermethrin	52315-07-8	0.193 - 0.237%

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Antioxidant (BHT)	128-37-0	0.1 - 0.3%
Light Petroleum Distillate	64771-72-8	35 - 40 %
Propane-butane mix	Butane 106-97-8 Propane 74-98-6	40 - 60%

SECTION 4: FIRST AID MEASURES

General:	In case of accident exposure or if you feel unwell, seek medical advice immediately (show PRODUCT label where possible).	
Swallowed:	If swallowed, do not induce vomiting. Wash mouth with water. Give water to drink. Seek medical advice.	
Skin contact:	Wash skin thoroughly with soap and water. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Get medical attention if irritation persists after washing. In normal use, not harmful to skin.	
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.	
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If any signs or symptoms occur or persist, seek medical attention.	
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.	
Most important symptoms/effects, acute and delayed		
Potential acute health effects	Eye contact:	Causes serious eye irritation
	Inhalation:	Excessive exposure may cause the following adverse effects: Drowsiness, dizziness, disorientation, Headache. Nausea, vomiting.
	Skin contact:	Causes skin irritation.
	Ingestion:	Rinse mouth. Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
Over-exposure signs/symptoms	Eye contact:	Adverse symptoms may include the following: irritation, redness.
	Inhalation:	Adverse symptoms may include the following: respiratory tract irritation, coughing.
	Skin contact:	Causes skin irritation.
	Ingestion:	No specific data.
Indication of immediate medical attention and special treatment needed, if necessary		
Notes to physician	Treat symptomatically. Contact poison treatment specialist if large quantities inhaled or have been ingested.	
Specific treatments	No specific treatment.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	

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SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire, alcohol-resistant foam, CO ₂ or dry chemical, extinguishing powder or water jet. Fight larger fires with water jet.
Unsuitable extinguishing media:	Water with a full water jet. Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
Special protective precautions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	<u>Personal precautions</u> Wash thoroughly after dealing with a spillage. Do not touch or walk into spilled material. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapors and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas. <u>For non-emergency personnel:</u> No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. <u>Environmental precautions:</u> Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	<u>Small spill:</u> Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. <u>Large Spill:</u> Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash

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	spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomite, sawdust and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
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SECTION 7: HANDLING & STORAGE

Precautions for safe handling	<u>Precautions / Protective measures:</u> Avoid contact with skin, eyes, food and utensils. Avoid inhalation. Keep product in original container. Do not try to puncture product can. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in dry place away from heat source. Avoid keeping in hot areas. Avoid keeping in direct sunlight for longer period of time. Do not store at temperatures above 120°F/50°C or in enclosed places that could overheat. Do not place near radiators or expose to sun or other sources of heat and ignition. Pressurized container. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous.
Conditions for safe storage, including any incompatibilities	Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink, away from heat source. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

General protective and hygienic measures	Avoid spraying on skin and eyes. Use only as directed. Avoid excessive inhalation. If ventilation is insufficient, a suitable respirator should be worn. Gloves (vinyl, plastic or rubber) may be worn when handling this product. It is recommended that protective clothing is worn e.g. aprons (vinyl plastic or rubber) and safety shoes. Eye protection in the form of tightly fitting safety goggles and /or face shield should be worn. Wash hands, forearms and face thoroughly after handling chemical products, before eating and smoking and using the lavatory and at the end of working period. Contaminated work clothing should not be allowed out of the workplace.
Conditions for safe storage, including any incompatibilities	Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink, away from heat source. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.
Breathing equipment	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Protection of hands / skin	For prolonged or repeated handling, use rubber or vinyl gloves. Wear impermeable gloves when handling.

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Eye protection:	Causes moderate eye irritation, Avoid spraying into eyes. Wear appropriate eye protection (goggles). Emergency responders should wear full eye and face protection (goggles, face mask).
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Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Butane	(1,900 mg/m ³) 800 ppm	Not defined.	1,000 ppm	Not defined.
Propane	(1,800 mg/m ³) 1,000 ppm	Not defined.	1,000 ppm	Not defined.
BHT	Not defined.	Not defined.	Not defined.	Not defined.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Parameter	Target Value
Form	Liquid in pressurized metal can
Odor	Characteristic
Odor threshold	Not Available
Relative density	0.90 - 1.10
pH	Neutral
Melting point/melting range	Not Determined
Boiling point/boiling range	Not Determined
Flash point	< 0°C
Evaporation rate	Not Determined
Flammability	Not available
Upper/lower flammability or explosive limits	Upper: Not Determined Lower: Not Determined
Auto ignition temperature	Not Available
Danger of explosion	Not Determined
Vapor density	Not Determined
Solubility in/Miscibility with water	Miscible
Vapor pressure / Pressure inside of spray container	5.0 - 7.0 bar

SECTION 10: STABILITY & REACTIVITY

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	The product is stable.
Conditions to avoid:	Avoid all possible sources of ignition (spark or flame, high temperatures).
Incompatible materials:	No specific data.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

	Substance	Animal	Formulated product
Acute toxicity:	Oral LD50	Rat	>2500mg/Kg
	Dermal LD50	Rat	>2000mg/Kg
	Inhalation (LC50)	Rat	>4.81mg/Lit. for 4hr. exposure.
Potential routes of exposure/potential health effects	Skin Contact: Causes skin irritation. Eye: Irritant to eyes. However splashes in the eye may cause stinging sensation and irritation and should be washed out with flowing water.		

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	Inhalation: Adverse symptoms may include the following: respiratory tract irritation cough. Warning: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Use in well-ventilated places, avoid prolonged spraying. Ingestion: May be harmful if swallowed.
Carcinogenic effects	Not classified or listed by IARC, NTP, OSHA
Mutagenic effects	No data available.
Reproductive toxicity	No data available.
Sensitization	Not expected to be a skin sensitizer.
Target organs	No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No known significant effects or critical hazards.
Mobility:	Not available.
Biodegradation:	No known significant effects or critical hazards.
Bioaccumulation:	Not available.

The ingredients used in this product are expected to be safe for the environment at normal concentration and during typical use. The packaging components are also compatible with conventional waste management.

SECTION 13: DISPOSAL CONSIDERATIONS

Methods of Disposal	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate the container.
Contaminated packaging	Empty container can be disposed of as household trash and recycled where appropriate.

SECTION 14: TRANSPORT INFORMATION

UN Number:	UN 1950
Proper Shipping Name:	Aerosols. Flammable
Transport Hazard Class:	2.1
Packing Group:	Not applicable
Environmental hazards (Marine pollutant):	No
Marking or Labels:	



Special precautions for users:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):
Not Available.

Regulation	UN Number	Hazard Class	Packing Group	Labelling
DOT	UN 1950	2.1	Not applicable	Flammable Gas
ADR / RID	UN 1950	2.1	Not applicable	Flammable Gas
IMDG	UN 1950	2.1	Not applicable	Flammable Gas
ICAO/IATA	UN 1950	2.1	Not applicable	Flammable Gas

SECTION 15: REGULATORY INFORMATION

US Federal Regulations	SARA Section 355 (extremely hazardous substances): None of the components are listed as Extremely Hazardous Substances SARA Section 355 (EHS) under.
	SARA Section 313 (specific toxic chemical listings): This product does toxic chemicals subject to reporting requirements under SARA Section 313.
	Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): None of the ingredients in this product are listed as Hazardous Air Pollutants (HAPs) under the Clean Air Act (CAA) Section 112.
	TSCA (Toxic Substances Control Act): United States - TSCA 12(b) - Chemical export notification: None of the components are listed. United States - TSCA 4(a) - Final Test Rules: Not listed. United States - TSCA 4(a) - ITC Priority list: Not listed. United States - TSCA 4(a) - Proposed test rules: Not listed. United States - TSCA 4(f) - Priority risk review: Not listed. United States - TSCA 5(a)2 - Final significant new use rules: Not listed. United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed. United States - TSCA 5(e) - Substances consent order: Not listed. United States - TSCA 6 - Final risk management: Not listed. United States - TSCA 6 - Proposed risk management: Not listed. United States - TSCA 8(a) - Chemical risk rules: Not listed. United States - TSCA 8(a) - Dioxin/Furane precursor: Not listed. United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined. United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed. United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed. United States - TSCA 8(d) - Health and safety studies: Not listed.

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.