

# Safety Data Sheet

## MS0402

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	<b>MS0402 MOSQUITO SHIELD MOSQUITO COILS</b>	
<b>Other Means of Identification</b>	<b>MS0402</b>	
<b>Recommended Use</b>	Mosquito repellent (active substance on a slow burning substrate)	
<b>Restrictions on Use</b>	None known.	
<b>Manufacturer</b>	Company name:	KUUS INC.
	Address:	450 TAPSCOTT ROAD UNIT 5 & 6, SCAR, ON M1B 1Y4
	Telephone:	General Assistance 1-416-298-7724
	E-mail:	kuu@kuu.com
<b>Supplier</b>	N/A	
<b>Emergency Telephone</b>	CANUTEC	1-888-226-8832 1-613-996-6666

### SECTION 2. HAZARD IDENTIFICATION

**Physical hazards** There is no known physical hazard to this product.

**Hazards:** Non-combustible under normal conditions. Once ignited the fire burns slowly (smolders) with a dull glow and may be difficult to detect. Flammable

**Dangerous Good class:** NONE

#### Health hazards

**Inhalation:** **Short Term Exposure:** Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

**Long Term Exposure:** No data for health effects associated with long term inhalation.

**Skin Contact:** **Short Term Exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

**Long Term Exposure:** No data for health effects associated with long term skin exposure.

**Eye Contact:** **Short Term Exposure:** This product is likely to be mechanically irritating. If exposure is minor or brief, no long term effects should result. However, if material is not removed promptly, scratches to surface of the eye may result with long term consequences.

**Long Term Exposure:** No data for health effects associated with long term eye exposure.

**Ingestion:** **Short Term Exposure:** Significant oral exposure is considered to be unlikely. However, this product may be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.

**Long Term Exposure:** No data for health effects associated with long term ingestion.

#### Label elements

<b>Hazard symbol</b>	Not hazardous
<b>Signal word</b>	None.
<b>Hazard statement</b>	None available.

Precautionary statement

<b>Prevention</b>	Keep out of reach of children. Use personal protective equipment as required.
<b>Response</b>	Rinse skin or shower with water. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. In case of fire, use carbon dioxide, dry chemical, foam, water fog.
<b>Storage</b>	Store in a dry place. Store in a closed container.
<b>Disposal</b>	Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard Hazardous to the aquatic environment, long-term hazard
<b>Other hazards</b>	None known.
<b>Supplemental information</b>	None.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Carbon	7440-44-0	30-60	N/A	N/A
Other Inerts	N/A	30-60	N/A	N/A
D-trans allethrin	231937-89-6 (584-79-2)	0.35	N/A	N/A

### SECTION 4. FIRST-AID MEASURES

<b>Inhalation</b>	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
<b>Skin Contact</b>	Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. If symptoms develop seek medical attention.
<b>Eye Contact</b>	Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with gently flowing water until the particles are removed, while holding the eyelid(s) open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye(s). Take special care if exposed person is wearing contact lenses.
<b>Ingestion</b>	If product is swallowed or gets in mouth, do NOT induce vomiting; Seek medical attention immediately. If symptoms develop, or if in doubt contact a Poison Information Centre or a doctor.
<b>Most Important Symptoms and Effects, Acute and Delayed</b>	For symptoms and effects caused by the contained substances, see chap. 11.
<b>Immediate Medical Attention and Special Treatment</b>	Information not available

## SECTION 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	
<b>Suitable Extinguishing Media</b>	In case of fire, use carbon dioxide, dry chemical, foam, water fog.
<b>Unsuitable Extinguishing Media</b>	None in particular.
<b>Specific Hazards Arising from the Product</b>	Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures. Do not breathe combustion products.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	<p>GENERAL INFORMATION</p> <p>Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.</p> <p>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</p> <p>Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).</p>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.
<b>Methods for Containment and Cleaning Up</b>	Collect the product into a suitable container.

note: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
<b>Conditions for Safe Storage</b>	Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
Exposure limits have not been established for any of the significant ingredients in this product.				

<b>Notes</b>	No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems. Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.
<b>Appropriate Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limit.
<b>Individual Protection Measures</b>	
<b>Eye/Face Protection</b>	Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.
<b>Skin Protection</b>	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.
<b>Respiratory Protection</b>	If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask. In any fire use an approved respirator.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Black solid presented as a coil
<b>Odour</b>	Mild odour
<b>Odour Threshold</b>	Not applicable.
<b>pH</b>	Not applicable.
<b>Melting Point and Freezing Point</b>	Decomposes before melting.
<b>Initial Boiling Point and Boiling Range</b>	Not applicable.
<b>Flash Point</b>	No data.
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	No data.
<b>Upper and Lower Flammability or Explosive Limit</b>	No data.
<b>Vapour Pressure</b>	Not applicable.
<b>Vapour Density (air = 1)</b>	Not applicable.
<b>Relative Density</b>	No data.

(water = 1)	
<b>Solubility in Water</b>	Insoluble.
<b>Solubility in Other Liquids</b>	No data.
<b>Partition Coefficient, n-Octanol / Water (Log Kow)</b>	No data.
<b>Auto-ignition Temperature</b>	No data.
<b>Decomposition Temperature</b>	No data.
<b>Viscosity</b>	Not applicable.

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
<b>Chemical Stability</b>	The product is stable in normal conditions of use and storage.
<b>Possibility of Hazardous Reactions</b>	No hazardous reactions are foreseeable in normal conditions of use and storage.
<b>Conditions to Avoid</b>	This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry.
<b>Incompatible Materials</b>	Water, strong oxidising agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

## SECTION 11. TOXICOLOGICAL INFORMATION<sup>[1]</sup>

### Likely Routes of Exposure – For: D-Trans Allethrin

☐ Inhalation   ☐ Skin contact   ☐ Eye contact   ☐ Ingestion

<b>Acute Toxicity</b>	
<b>LC50 (inhalation)</b>	>1500mg/L Rat
<b>LD50 (oral)</b>	>5000mg/kg bw Rat
<b>LD50 (dermal)</b>	>5000mg/kg bw Rat
<b>Notes</b>	
<b>Skin Corrosion / Irritation</b>	Non-corrosive
<b>Serious Eye Damage / Irritation</b>	Non-irritating
<b>STOT (Specific Target Organ Toxicity) - Single Exposure</b>	N/A
<b>Aspiration Hazard</b>	N/A
<b>STOT (Specific Target Organ Toxicity) - Repeated Exposure</b>	N/A

<b>Respiratory and/or Skin Sensitization</b>	Respiratory sensitization: not available. Skin Sensitization: Non-sensitizing
<b>Carcinogenicity</b>	Non-carcinogenic

<b>Chemical Name</b>	<b>IARC</b>	<b>ACGIH®</b>	<b>OSHA</b>

<b>Notes</b>	
<b>Reproductive Toxicity</b>	
<b>Development of Offspring</b>	N/A
<b>Sexual Function and Fertility</b>	N/A
<b>Effects on or via Lactation</b>	N/A
<b>Germ Cell Mutagenicity</b>	Non-mutagenic
<b>Interactive Effects</b>	N/A

## SECTION 12. ECOLOGICAL INFORMATION

Insufficient data to be sure of status. Expected to not be an environmental hazard. Unused product (ie not ignited) the d-allethrin is highly toxic for aquatic organisms. In the long term, it has negative effects on aquatic environment

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

## SECTION 14. TRANSPORT INFORMATION

No special transport conditions are necessary unless required by other regulations. The preparation is not classified as dangerous good.

<b>Regulation</b>	<b>UN No.</b>	<b>Proper Shipping Name</b>	<b>Technical Name (for N.O.S. entry)</b>	<b>Transport Hazard Class(es)</b>	<b>Packing Group</b>
Activated carbon	1362			Not regulated	

Dangerous good class:

None

Non-combustible under normal conditions. Once ignited the fire burns slowly (smolders) with a dull glow and may be difficult to detect.  
The preparation is not classified as dangerous good.

## SECTION 15. REGULATORY INFORMATION

### Inventory Status

<b>Canada</b>	One or more ingredients are on DSL
<b>United States</b>	One or more ingredients are on TSCA
<b>Japan</b>	One or more ingredients are on MITI
<b>South Korea</b>	One or more ingredients are on KECL

## SECTION 16. OTHER INFORMATION

<b>Date of Latest</b>	05/16/2023
<b>Prepared by:</b>	<b>KUUS Inc.</b>
<b>Telephone #:</b>	<b>1-800-267-0455</b>

**Disclaimer**     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.

PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT

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