

	MSDS	Original Date	10-7-2019
		Revised Date	15-6-2024
	Wingo Bird Repellent	Revise No.	2
		Total Pages	3

No	Item	Description									
1	CHEMICAL PRODUCT & COMPANY IDENTIFICATION	<p>a. Product name : Wingo Bird Repellent</p> <p>b. Packaged by: Pesky Ideas Ltd PO Box 772, Cambridge Telephone: +64-272-048-634 Email: sales@peskyideas.co.nz</p>									
2	COMPOSITION & INGREDIENTS	<table border="1"> <thead> <tr> <th>Ingredient</th><th>Composite Proportion (%)</th><th>CAS No.</th></tr> </thead> <tbody> <tr> <td>LUBEKOTE: food grade Synthetic Oil</td><td>98.5%</td><td>8042-47-5</td></tr> <tr> <td>smellsin</td><td>1.5%</td><td>8015-91-6 & 404-86-4</td></tr> </tbody> </table>	Ingredient	Composite Proportion (%)	CAS No.	LUBEKOTE: food grade Synthetic Oil	98.5%	8042-47-5	smellsin	1.5%	8015-91-6 & 404-86-4
Ingredient	Composite Proportion (%)	CAS No.									
LUBEKOTE: food grade Synthetic Oil	98.5%	8042-47-5									
smellsin	1.5%	8015-91-6 & 404-86-4									
3	HAZARDS IDENTIFICATION	<p>POTENTIAL HEALTH EFFECTS Eye: direct contact may cause temporary redness and discomfort. Skin: no significant irritation expected from a single short term exposure. Inhalation: Irritates respiratory passages very slightly. Oral: Low ingestion hazard in normal use. PROLONGED/REPEATED EXPOSURE EFFECTS Skin: Repeated or prolonged exposure may cause irritation. Inhalation: No known applicable information. Oral: Repeated ingestion or swallowing large amounts may injure internally. SIGNS AND SYMPTOMS OF OVER EXPOSURE No known applicable information. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE No known applicable information. The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component's data and/or expert review of the products. Please refer to Section 11 for the detailed toxicology information.</p> <p>This product is not a dangerous good so does not require HSNO classification.</p>									
4	FIRST AID TREATMENT	<p>Eye: Immediately flush with water Skin: No first aid should be needed Inhalation: No first aid should be needed Oral: Get medical attention Notes to Physician: Treat according to person's condition specific of exposure</p>									
5	MEASURES AGAINST EXPLOSION OR FIRE	<p>Flash point : 240°C(COC) Auto ignition Temperature: Not determined. Flammability Limits in Air: Not determined. Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO2), dry chemical or water spray. Water can be used to cool fire exposed containers. Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Unusual Fire Hazards: None</p>									
6	ACCIDENTAL RELEASE MEASURES	<p>Containment/Clean up: Observe all personal protection equipment recommendations described in Section 5 and 8. wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material's, even in small quantities. May present a slip hazard. Final cleaning may require use of steam, solvent's or detergents. To clean product from surfaces scrape first then use mineral turpentine or white spirits to remove residue. Dispose of saturated absorbent or cleaning material appropriately, since spontaneous heating may occur. Local state and federal laws and regulations may apply to release and disposal of the material, as well as those materials and items employed in the cleanup of releases.</p> <p>Note: See Section 8 for personal protective Equipment for Spills.</p>									
7	HANDLING AND STORAGE	<p>Use with adequate ventilation. Provide adequate ventilation or use the appropriate respiratory protection. Employees should wash their hands and face. Avoid eye contact. Do not take internally. Use reasonable care and store away from oxidizing material's. To remove product from surfaces use mineral turpentine or white spirits.</p>									



8	EXPOSURE CONTROLS & PROTECTION	<p>A. Exposure Limits</p> <ul style="list-style-type: none"> ○ Exposure limit under ISHL : Not available ○ ACGIH : Not available ○ Biological exposure limits : Not applicable <p>B. Engineering Controls</p> <ul style="list-style-type: none"> - A system of local and/or general exhaust is recommended to keep employee exposures above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source. <p>C. Personal Protective Equipment</p> <ul style="list-style-type: none"> ○ Respiratory Protection : Use an officially approved respirator by Korea Occupational Safety & Health Agency. Under conditions of frequent use or heavy exposure, Respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. ※ When take shelter - Any chemical cartridge respirator with organic vapour cartridge(s). - Any chemical cartridge respirator with a full facepiece and organic vapour cartridge(s). - Any air-purifying respirator with a full facepiece and an organic vapour canister. ※ For Unknown Concentration or Immediately Dangerous to Life or Health - Self-contained breathing apparatus (pressure-demand or other positive-pressure mode in combination), supplied-air respirator with full facepiece ○ Eye Protection : Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area. ○ Hand Protection : Wear chemical resistant protected gloves if there is hazard potential for direct skin contact. Wear heat resistant protected gloves to withstand the temperature of molten product. ○ Body Protection : Wear chemical resistant protected clothing if there is hazard potential for direct contact.
9	PHYSICAL AND CHEMICAL PROPERTIES	<p>A. Appearance : sticky grease type</p> <p>B. Odor : strong</p> <p>C. Odor threshold :</p> <p>D. pH : Not available</p> <p>E. Melting point/Freezing point : Not available</p> <p>F. Initial Boiling Point/Boiling Ranges : Not available</p> <p>G. Flash point : 240°C(COC)</p> <p>H. Evaporating Rate : Not available</p> <p>I. Flammability (solid, gas) : Not available</p> <p>J. Upper/Lower Flammability or explosive limits : Not available</p> <p>K. Vapour pressure : Not available</p> <p>L. Solubility : < 0.1%</p> <p>M. Vapour density : Not applicable</p> <p>N. Relative density : 0.899(15.6°C)</p> <p>O. Partition coefficient of n-octanol/water : Not available</p> <p>P. Auto ignition Temperature : Not available</p> <p>Q. Decomposition Temperature : Not available</p> <p>R. Viscosity : 810(at 100°C, cSt)</p> <p>S. Molecular weight : 1,400(Mn)</p>
10	STABILITY AND REACTIVITY	<p>A. Stability</p> <ul style="list-style-type: none"> - This material is stable under recommended storage and handling conditions <p>B. Possibility of Hazardous Reaction</p> <ul style="list-style-type: none"> - May not occur under normal temperature and pressure. <p>C. Conditions to Avoid</p> <ul style="list-style-type: none"> - Avoid to heat, open flames, sparks and other source of ignition. - Avoid to contact with incompatible materials. <p>D. Materials to Avoid</p> <ul style="list-style-type: none"> - Strong oxidizing agent : Hazard of fire and explosion <p>E. Hazardous Decomposition Products</p> <ul style="list-style-type: none"> - Combustion may produce carbon oxides such as carbon monoxide, carbon dioxide. - During a fire, thermal depolymerization may produce flammable vapour.
11	TOXICOLOGICAL INFORMATION	<p>Component Toxicology Information: No known applicable information</p> <p>Special Hazard Information on Component's : No known applicable information.</p>
12	ECOLOGICAL INFORMATION	<p>A. Ecotoxicity :</p> <ul style="list-style-type: none"> ○ Acute aquatic toxicity (Fish toxicity, Daphnia toxicity, Algae toxicity) - Acute fish toxicity : LC50 > 1000 mg/kg(96hrs), Trout <p>B. Persistence and degradability : This material is not expected to be readily biodegradable.</p> <p>C. Bioaccumulative potential : This material is not expected to be bioaccumulated by the environmental food chain.</p> <p>D. Mobility in soil : This material is not likely to move rapidly with surface or groundwater flows.</p> <p>E. Other adverse effects : Not available</p>
13	DISPOSAL CONSIDERATION	<p>A. Disposal methods</p> <ul style="list-style-type: none"> - The user of this product must properly characterize the waste/container generated from the use of this product in accordance with all applicable federal, state and/or local laws and regulations in order to determine the proper disposal of the waste in accordance with all applicable federal, state and/or local laws and regulations. <p>B. Special precautions for disposal :</p> <ul style="list-style-type: none"> - The user of this product must dispose by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities. - Dispose of waste in accordance with local regulation.
14	TRANSPORT INFORMATION	<p>DOT Road Shipment Information: not subject to DOT</p> <p>Ocean Shipment(IMDG): not subject to IMDG code.</p> <p>Air Shipment(IATA): Not subject to IATA regulations.</p>
15	REGULATORY INFORMATION	<p>Regulation by law for industrial safety and health: Article 41</p> <p>Other foreign regulation: none</p>

16	REFERENCE & PRECAUTION	<p>A. Reference - This MSDS is prepared based on the MSDS provided by nanoTec International R & D Center This information only concerns the above-mentioned product and does not need to be valid if used with other(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and sufficiently complete for their particular use of this product.</p>
----	---------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Signed by:

Name: Tony Overbeek

Title: Managing Director Pesky Ideas

