




 <p><b>Pest Guy Exterminating Co. Ltd.</b> Extermination Company</p>	<p><b>SPAR AM Oil</b> 「殲霸」滅蚊幼油劑</p> 	<p><b>MATERIAL SAFETY DATA SHEET</b></p>
<p><b>1. Product:</b> SPAR AM Oil</p>		
<p><b>2. Registration No:</b> 2P276 (AL). Agriculture, Fisheries and Conservation Department. Hong Kong.</p>		
<p><b>3. Manufacturer</b> Asiatic Agricultural Industries Private Ltd.</p>	<p><b>4. Emergency Contact</b> Pest Guy Exterminating Co. Ltd. Tel: (852) 2321 5222 Fax: (852) 2321 1263 E-mail: info@pestguy.com.hk</p>	
<p><b>5. Identification of the substance</b> Common Name : Larvicidal Oil Product Type : Insecticide</p>	<p><b>6. Composition / Information on ingredients</b> Formulation: Oil</p>	
<p><b>7. First Aid Measures</b> Inhalation : Remove victim to fresh air. If rapid recovery does not occur, obtain medical attention. Skin : Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention. Eye : Flush eyes with plenty of water. If persistent irritation occurs, obtain medical attention. Ingestion : Do not give anything by mouth to an unconscious person. Keep the victim at rest lying face down. If breathing becomes difficult, maintain a clear airway and give artificial respiration if necessary. Vomiting should only be conducted under professional supervision and care should be taken to prevent aspiration of hydrocarbon solvent.  Advice to Physician : Treat symptomatically. Ingestion poses the major hazard.  Antidote : There is no specific antidote.</p>	<p><b>8. Fire-Fighting Measures</b> Flash Point (Close cup): &gt; 50 deg C <u>Fire and Explosion Hazard:</u> Flammable liquid. Vapors can form explosive mixtures at temperature at or above the flash point. <u>Suitable extinguishing media:</u> Use alcohol foam, carbon dioxide, dry chemical. Contain all run-off. <u>Unsuitable extinguishing media:</u> Do not scatter spilled material with high pressure water stream. <u>Special exposure hazards in a fire:</u> Avoid breathing hazardous vapors, keep upwind. <u>Fire-Fighting Instructions:</u> Evacuate area and fight fire from a safe distance. Approach from upwind to avoid hazardous vapors. Foam fire extinguishing systems is preferred. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Confine the use of water spray to cooling unaffected stock only. Explosive vapor could form from ruptured containers. <u>Special Protective equip. for fire-fighting:</u> Wear a self-contained respiratory apparatus, wear full fire-fighting turn-out gear.</p>	
<p><b>9. Accidental Release Measures</b> Personal Precautions: Avoid contact with skin and eyes. No smoking, flames or fires in hazard area. Keep unnecessary people away. Isolate hazard area and deny entry. Wear protective clothing and personal protective equipment as prescribed in Section 12. Environmental Precautions: Avoid drifts or run-off into drains, ponds or waterways. Method for Cleaning Up: Absorb spills with absorbent granules or sand and place in a covered container for later disposal. Repeat if necessary. Contaminated soil may have to be removed and add to the drum of waste already collected. Dispose off drummed waste according to the method outlined in Section 19 "Disposal Considerations".</p>	<p><b>10. Hazards Identifications</b> Human Health Hazards: Harmful if swallowed.  Environmental Hazards: Harmful to aquatic organisms.</p>	
<p><b>11. Handling and Storage</b> <b>Handling – Special Protection Measures:</b> When handling chemical do not eat, drink or smoke. Wash hands and exposed skin before meals and after work. <b>Storage – Sensibility to humidity, light &amp; oxidation:</b> Stable under normal atmospheric conditions when stored in close container. <b>Special storage requirements:</b> All chemical must be kept out of reach of children, pets, live stock and people. Pesticide should be stored in a locked, secure place, such as a separate building or storage room. <b>Storage Conditions:</b> Maintain a well ventilated storage area which is relatively free from temperature fluctuations. <b>Polymerization:</b> Hazardous polymerization has not been reported to occur under normal temperature and pressure. <b>Shelf life:</b> Will keep their physical &amp; biological properties for minimum 2 years when stored in their original packing in a dry place at an annual average temperature not exceeding 25 deg C. <b>Recommended Packing Material:</b> Metal and plastics. <b>Packaging material to be avoided:</b> Not available.</p>	<p><b>12. Exposure Control / Personal Protection</b> <b>Engineering Controls:</b> Local exhaust ventilation may be necessary to control any air contamination to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. <b>Personal Protective Equipment - Respiratory Protection:</b> When handled in a non-ventilated area, use a respirator with an organic vapor removing cartridge with a prefilter approved for pesticides. <b>Hand Protection:</b> Wear chemical resistant gloves such as nitrile, butyl rubber, barrier laminate or viton. <b>Eye Protection:</b> Wear safety glasses or goggles. <b>Skin Protection:</b> Wear long-sleeved coveralls worn over a minimum of short-sleeved shirt and short pants. Wear chemical resistant footwear plus socks. <b>Personal Hygiene:</b> Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, using tobacco or using the toilet. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Shower at the end of the workday.</p>	
<p><small>The information and data contained herein are believed to be correct. The recommendations and suggestions for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, express or implied, is made as to the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility including injury or damage resulting from its misuse as such or in combination with other materials. No statement is to be construed as violating any copyright or patents.</small></p>		

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<p><b>13. Stability and Reactivity</b></p> <p>Chemical stability : Risk of explosion if heated above 150 deg C.</p> <p>Conditions to avoid : Avoid temperature above 60 deg C.</p> <p>Hazardous decomposition : Not applicable. product</p>	<p><b>14. Ecological Information</b></p> <p>Environmental Summary : Floats on water.</p> <p>Fish Toxicity : Practically non-toxic.</p> <p>Avian Toxicity : Practically non-toxic.</p>	
<p><b>15. Toxicological Information</b></p> <p>Acute Toxicity –</p> <p>Oral LD<sub>50</sub> – rat : Not available.</p> <p>Dermal LD<sub>50</sub> – rat : Not available.</p> <p>Eye irritation-rabbit : Mild irritant.</p> <p>Skin irritation-rabbit : Mild irritant.</p> <p>Sensitization-guinea pig: Non-sensitizer</p> <p>Carcinogen status –</p> <p>OSHA : Not listed</p> <p>NTP : Not listed</p> <p>IARC : Not listed</p> <p>Mutagen data : No evidence.</p> <p>Additional data : Repeated or prolonged low level exposures may cause sensitization to subsequent exposures that mimic acute exposures.</p>	<p><b>16. Physical and Chemical Properties</b></p> <p>Physical state : Liquid</p> <p>Color : Heavy Amber</p> <p>Odor : Characteristic odor of petroleum</p> <p>Special gravity : 0.81 – 0.83 g/ml @ 25 deg C</p> <p>Water solubility : Not soluble.</p>	
<p><b>17. Transport Information</b></p> <p>Road / rail transport –</p> <p>Class : 3</p> <p>Hazardous symbol : Petroleum products, N.O.S.</p> <p>Proper shipping name : Anti – Malaria Oil</p> <p>UN number : 1268</p> <p>Maritime transport –</p> <p>UN number : 1268</p> <p>Class : 3</p> <p>Packing group : III</p> <p>Hazard symbol : Petroleum products, N.O.S.</p> <p>Marine pollutant : Yes</p> <p>Proper shipping name : Anti – Malaria Oil</p> <p>Air transport –</p> <p>Class : 3</p> <p>UN number : 1268</p> <p>Packing group : III</p> <p>Hazard symbol : Petroleum products, N.O.S.</p> <p>Proper shipping name : Anti – Malaria Oil</p>	<p><b>18. Regulatory Information</b></p> <p>Risk phrases –</p> <p>R10 : Flammable.</p> <p>R22 : Harmful if swallowed.</p> <p>R36/37 : Wear suitable protective clothing and gloves.</p> <p>Safety phrases –</p> <p>S2 : Keep out of the reach of children.</p> <p>S36/37 : Wear suitable protective clothing and gloves.</p>	
<p><b>19. Disposal Considerations</b></p> <p>Waste : Pesticide waste are toxic and hazardous. Dispose off in accordance with local regulations. Do not discharge or pour into soil, drainage system or bodies of water.</p> <p>Container : Dispose off according to local regulations.</p>	<p><b>20. Other Information</b></p> <p>Disclaimer: The information and data contained herein are believed to be correct. The recommendations and suggestions for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, express or implied, is made as to the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. No statement is to be construed as violating any copyright or patent.</p> <p>Revised date: June 2003.</p> <p>Revised For: Addition of information.</p>	
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