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**SAFETY DATA SHEET**  
**VAPONA 20 ULV CONCENTRATE**  
 DATE PREPARED: JANUARY 19, 2016

**SECTION 1**  
**PRODUCT IDENTIFICATION AND USE**

<b>PRODUCT NAME:</b>	VAPONA 20 ULV CONCENTRATE
<b>CHEMICAL FAMILY:</b>	ORGANOPHOSPHATE PESTICIDE
<b>CHEMICAL NAME &amp; SYNONYMS:</b>	2.2 DICHLOROVINYL-DEMETHYL-PHOSPHATE
<b>TRADE NAME:</b>	DICHLORVOS, DDVP

**SECTION 2**  
**HAZARDS**

HAZARDS		
<p>DICHLORVOS IS A NEURAL ACETYLCHOLINESTERASE INHIBITOR. EFFECTS OF OVER-EXPOSURE INCLUDE THE FOLLOWING SYMPTOMS:</p> <p>CONSTRICION OF PUPILS,            SALIVATION,            MUSCLE INCOORDINATION,            TIGHTNESS IN CHEST,            VOMITING &amp;, DIARRHEA.</p> <p>SEEK MEDICAL ATTENTION.</p> <p>DANGER  POISON</p>	EYE IRRITANT (SOLVENT)	RESPIRATORY: IRRITATION TO MEMBRANES

**SECTION 3**  
**COMPOSITION AND INGREDIENTS**

HAZARDOUSE INGREDIENTS	%	CURRENT TLV <sup>1</sup>
DICHLORVOS TECHNICAL	20.0	0.1 PPM
AROMATIC SOLVENT	80.0	100 PPM

**SECTION 4**  
**FIRST AID MEASURES**

<p>In case of skin or clothing contact, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. In case of eye contact, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.</p> <p>If swallowed, call a poison control centre or doctor immediately for treatment advice.</p> <p>Do not induce vomiting unless told to do so by a poison control centre or doctor.</p> <p>Do not give any liquid to the person.</p> <p>Do not give anything by mouth to an unconscious person. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention</p>
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**SECTION 5  
FIRE AND EXPLOSION DATA**

<b>FLASH POINT:</b> 45.0° C (T.C.C.)	<b>FLAMMABLE LIMIT:</b> $Lel^2$ N/E $Uel^3$ N/E	<b>EXTINGUISHING MEDIA:</b> DRY CHEMICAL, FOAM, CO <sub>2</sub> , FOG, WATER
<b>SPECIAL FIRE-FIGHTING PROCEDURES, UNUSUAL FIRE OR EXPLOSION HAZARDS:</b> EVACUATE HAZARD AREA. WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER. HANDLE AS A FLAMMABLE LIQUID FIRE.		

**SECTION 6  
ACCIDENTAL RELEASE MEASURES**

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:</b> ELIMINATE ALL SOURCES OF IGNITION. CONTAIN SPILL WITH ABSORBANT MATERIAL. SHOVEL MATERIAL INTO DISPOSAL CONTAINER. DECONTAMINATE AREA WITH SOLUTION OF BLEACH, LYE OR CAUSTIC SODA. REPEAT WITH DETERGENT SOLUTION.

**SECTION 7  
HANDLING AND STORAGE**

<b>STORAGE TEMPERATURE (OPTIMUM):</b> 45 – 80 DEG. F	<b>AVERAGE SHELF LIFE:</b> 3 YEARS
<b>SPECIAL SENSITIVITY (HEAT, LIGHT, MOISTURE):</b> AVOID HIGH TEMPERATURES	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> STORE IN COOL, WELL-VENTILATED, LOCKED AREA.	

**SECTION 8  
EXPOSURE AND PERSONAL PROTECTION**

<b>RESPIRATOR TYPE: FULL FACE RESPIRATOR:</b> SUITABLE FOR ORGANIC VAPOURS IE OV 100	
<b>EYE PROTECTION:</b> FULL FACE RESPIRATOR	<b>GLOVES:</b> NEOPRENE
<b>OTHER PROTECTIVE EQUIPMENT:</b> TYVEK SUIT OR LONG SLEEVE SHIRT AND LONG PANTS	

**SECTION 9  
PHYSICAL PROPERTIES**

<b>PHYSICAL STATE:</b> LIQUID	<b>SOLUBILITY IN WATER:</b> SLIGHT	<b>ODOUR:</b> GARLIC LIKE	<b>SPECIFIC GRAVITY:</b> 0.943 Kg/l
<b>VAPOUR DENSITY:</b> N.E.	<b>VAPOUR PRESSURE:</b> N.E.	<b>MELT POINT:</b> N.E.	
<b>APPEARANCE:</b> LIGHT AMBER	<b>% VOLATILE BY VOLUME:</b> 100%	<b>BOILING POINT:</b> N.E.	

**SECTION 11  
TOXICITY DATA**

<b>LD50, ORAL (INGESTION):</b> 270 mg/Kg	<b>LD50, DERMAL (SKIN CONTACT):</b> 344 mg/Kg	<b>LC50, INHALATION:</b> 14.8 mg/m <sup>3</sup> (4 HRS – RAT)
	<b>TLV (UNITS) (THRESHOLD LIMIT VALUE):</b> NE	<b>SKIN IRRITATION:</b>
<b>EMERGENCY AND FIRST AID PROCEDURES, EFFECTS OF OVER EXPOSURE:</b> DICHLORVOS IS A NEURAL ACETYLCHOLINESTERASE INHIBITOR. EFFECTS OF OVER-EXPOSURE INCLUDE THE FOLLOWING SYMPTOMS: CONSTRICTION OF PUPILS, SALIVATION, MUSCLE INCOORDINATION, TIGHTNESS IN CHEST, VOMITING, DIARRHEA. SEEK MEDICAL ATTENTION.		

<sup>1</sup> Threshold Limit Value

<sup>2</sup> Lower Explosion Limit

<sup>3</sup> Upper Explosion Limit

**SECTION 12  
ECOLOGICAL DATA**

<b>TOXIC TO FISH AND WILDLIFE:</b>  AVOID CONTAMINATION OF WATERWAYS, STANDING WATER OR MEANS OF RUN-OFF.	<b>ENVIRONMENTAL PRECAUTIONS:</b> This product contains a petroleum distillate, which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.
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**SECTION 13  
WASTE DISPOSAL**

<b>DISPOSAL:</b> 1. Triple or pressure rinse the empty container. Add the rinsate to the spray mixture in the tank. 2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.  FOLLOW LOCAL PROVINCIAL AND GOVERNMENT REGULATIONS ON DISPOSAL OR RECYCLING OF CONTAINER.
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**SECTION 14  
SHIPPING DATA**

<b>T.D.G. ACT SHIPPING NAME:</b> ORGANOPHOSPHORUS PESTICIDE, LIQUID TOXIC, FLAMMABLE N.O.S. (DICHLORVOS MIXTURE)			
<b>CLASSIFICATION:</b> 6.1 (3)	<b>UN/NA NO.:</b> 3017	<b>PACKING GROUP:</b> III	<b>PLACARDS REQUIRED:</b> PLACARD 6.1 AND 3 – OVER 500 KG GROSS WEIGHT
<b>LABELS REQUIRED:</b> T.D.G. ACT SHIPPING NAME, UN3017, PLACARD 6.1 AND 3			
<b>TECHNICAL SHIPPING NAME:</b> VAPONA			
<b>TRANSPORTATION EMERGENCY TELEPHONE NO.:</b> 1-800-561-7302 CANUTEC COLLECT 613-996-6666			
<b>PREPARED BY:</b> GARDEX CHEMICALS LTD.	<b>PHONE NUMBER:</b> (416) 675-1638	<b>DATE:</b> JUNE 1, 2005.	

**SECTION 15  
REGULATORY INFORMATION**

<b>THIS PRODUCT IS REGULATED BY THE PMRA PEST CONTROL PRODUCTS ACT. PCP #16476</b>  READ THE LABEL BEFORE USING GUARANTEE: Dichlorvos Technical 20% REGISTRATION NO. 16476 PEST CONTROL PRODUCTS ACT
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**SECTION 16  
OTHER**

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