

# MATERIAL SAFETY DATA SHEET

## TEXTILE AND FABRIC SPRAY VECTRA 22: fabric-rug-carpet protector- VECTEC: LAUNDRY ADDITIVE: VECTRA-16: SUEDE, POROUS LEATHER AND APPAREL PROTECTOR

### TELEPHONE NUMBER:

24 HOUR EMERGENCY ASSISTANCE  
VECTRA 1-800- 241-4880  
CHEMTREC: 800-424-9300

GENERAL MSDS ASSISTANCE  
VECTRA 1-800-241-4880

### MANUFACTURER'S NAME AND ADDRESS

VECTRA ENTERPRISES, INC  
761-C Miami Circle  
Atlanta, Georgia 30324

## SECTION I NAME

**PRODUCT:** VECTRA-16 APPAREL SPRAY AND VECTRA 22  
**CHEM NAME:** Semi-metallic ester  
**CHEM FAMILY:** Organic ester **CODES:**

**PRODUCT USE:** Fabric and textile protectant  
**CURED PRODUCT:** Non-flammable, non-carcinogenic, non-irritating

### LIQUID PRODUCT

**HEALTH HAZARD:** 2 **FIRE HAZARD:** 2 **REACTIVITY:** 0

## SECTION II-A INGREDIENTS

<u>NO.</u>	<u>COMPOSITION</u>	<u>CAS NO.</u>	<u>PERCENT</u>
1.	LPA-170 ISOPARAFFIN VOC 90-95% Exempt	69551-19-9	98.50-99.50
2.	SEMI-METALLIC ESTER RESIN	N/A	1.50 - .50

## SECTION II-B ACUTE TOXICITY DATA

<u>NO.</u>	<u>ACUTE ORAL LD50</u>	<u>ACUTE DERMAL LD50</u>	<u>ACUTE INHALATION LD50</u>
1.*	>25 ML/KG (RAT)	>5 ML/KG (RABBIT)	NO DEATHS AT 592 PPM/4H (RAT)

\* BASED UPON FINISHED PRODUCT OR SIMILAR PRODUCT TESTING.

## SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

**EYE CONTACT:**

LIQUID IS EXPECTED TO BE PRACTICALLY NONIRRITATING TO EYES. IF OCCURS, FLUSH EYES WITH WATER AND GET MEDICAL ATTENTION.

**SKIN CONTACT:**

LIQUID IS EXPECTED TO BE SLIGHTLY TO MODERATELY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

**INHALATION:**

HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

**INGESTION:**

INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONITIS.

**SIGNS AND SYMPTOMS:**

MILD IRRITATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

**AGGRAVATED MEDICAL CONDITIONS:**

PREEXISTING EYE AND SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

**OTHER HEALTH EFFECTS:**

NONE

**SECTION IV OCCUPATIONAL EXPOSURE LIMITS**

<b>COMP NO.</b>	<b>OSHA PEL/TWA</b>	<b>OSHA PEL/CEILING</b>	<b>ACGIH TLV/TWA</b>	<b>ACGIH TLV/STEL</b>	<b>OTHER</b>
P	100 PPM*		100 PPM*		

\*LIMITS FOR STODDARD SOLVENT; TO BE USED AS A GUIDE ONLY.

**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:**

FLUSH EYES WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

**SKIN CONTACT:**

REMOVE CONTAMINATED CLOTHING/SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED.\*

**INHALATION:**

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

**INGESTION:**

DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION.

**NOTE TO PHYSICIAN:**

IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED AND VOMITING HAS NOT OCCURRED, EMESIS SHOULD BE INDUCED WITH SUPERVISION. KEEP VICTIM'S HEAD BELOW HIPS TO PREVENT ASPIRATION. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE USING A CUFFED ENDOTRACHEAL TUBE SHOULD BE CONSIDERED.

**SECTION VI SUPPLEMENTAL HEALTH INFORMATION**

PROLONGED AND REPEATED EXPOSURES TO ISOPARAFFINIC HYDROCARBONS HAVE RESULTED IN RENAL TUBULAR DAMAGE IN KIDNEYS OF MALE RATS. THIS EFFECT APPEARS TO BE THE RESULT OF AN ACCUMULATION OF A MALE RAT-SPECIFIC PROTEIN, ALPHA 2U-GLOBULIN, IN RENAL TUBULAR CELLS AND MAY NOT BE RELEVANT FOR HUMANS WHO DO NOT HAVE THIS PROTEIN.

IN A 13 WEEK INHALATION STUDY MALE RATS EXPOSED TO VAPORS OF A SIMILAR SOLVENT SHOWED EVIDENCE OF KIDNEY EFFECTS ALONG WITH A LOW GRADE ANEMIA.

IN RESPONSE TO A TSCA TEST RULE, SEVERAL STUDIES OF A COMPOUND SIMILAR TO THIS PRODUCT HAVE BEEN COMPLETED. MUTAGENICITY STUDIES AND A RAT INHALATION NEUROTOXICITY STUDY WERE NEGATIVE. IN A MOUSE DEVELOPMENTAL EFFECTS STUDY, REDUCED FETAL BODY WEIGHT WAS SEEN BUT NO TERATOGENICITY. A RAT REPRODUCTIVE EFFECTS STUDY DEMONSTRATED TOXICITY BUT LITTLE EFFECT ON REPRODUCTIVE PARAMETERS.

**SECTION VII PHYSICAL DATA**

<b>BOILING POINT (DEG F):</b>	<b>SPECIFIC GRAVITY (H2O = 1):</b>	<b>VAPOR PRESSURE (MM HG):</b>
434-472	0.78	0.05mm Hg at 20°C
	1	@ 100 DEG F

<b>MELTING POINT (DEG F):</b>	<b>SOLUBILITY IN WATER:</b>	<b>VAPOR DENSITY (AIR = 1):</b>
N/AV.	NEGLIGIBLE	6.53

VOC: 90-95% EXEMPT  
@6.77 Lb/gal

**EVAPORATION RATE (NORMAL BUTYL ACETATE = 1):** <0.1

**APPEARANCE AND ODOR:**

LIGHT COLORED LIQUID. LIGHT HYDROCARBON ODOR. MAY APPEAR TURBID, BUT DOES NOT AFFECT THE PERFORMANCE OF THE PRODUCT. "SHAKE WELL BEFORE USING"

**SECTION VIII FIRE AND EXPLOSION HAZARDS**

**FLASH POINT AND METHOD:** 192 DEG. F (TCC)

**FLAMMABLE LIMITS/PERCENT VOLUME IN AIR:** LOWER: 1 UPPER: 7

**EXTINGUISHING MEDIA:**

USE WATER FOG, FOAM, DRY CHEMICAL OR CO<sub>2</sub>. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:**

CAUTION. COMBUSTIBLE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

**SECTION IX REACTIVITY**

**STABILITY:** STABLE

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS AND MATERIALS TO AVOID:**

AVOID HEAT, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

**SECTION X EMPLOYEE PROTECTION**

**RESPIRATORY PROTECTION:**

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. USE A NIOSH-APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134, USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

**PROTECTIVE CLOTHING**

AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL-RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

**ADDITIONAL PROTECTIVE MEASURES:**

USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA, THEN LAUNDRER BEFORE REUSING.

**SECTION XI ENVIRONMENTAL PROTECTION**

**SPILL OR LEAK PROCEDURES:**

CAUTION. COMBUSTIBLE. \*\*\* LARGE SPILLS \*\*\* ELIMINATE POTENTIAL SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, OR OTHER SUITABLE MATERIAL; PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE; DISPOSE OF FLUSH SOLUTION AS ABOVE. \*\*\* SMALL SPILLS \*\*\* TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL.

## **SECTION XII                    SPECIAL PRECAUTIONS**

KEEP LIQUID AND VAPOR AWAY FROM HEAT, SPARKS AND FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE; FLASHFIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, CAN CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR CONTAINERS. DO NOT PRESSURIZE DRUM CONTAINERS TO EMPTY THEM. STATIC ELECTRICITY MAY ACCUMULATE AND CREATE A FIRE HAZARD. GROUND FIXED EQUIPMENT. BOND AND GROUND TRANSFER CONTAINERS AND EQUIPMENT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. AIR-DRY CONTAMINATED CLOTHING IN A WELL VENTILATED AREA BEFORE LAUNDERING.

## **SECTION XIII                    TRANSPORTATION REQUIREMENTS**

### **DEPARTMENT OF TRANSPORTATION CLASSIFICATION:**

CLASS 3 (FLAMMABLE LIQUID), III

### **DOT PROPER SHIPPING NAME:**

PETROLEUM DISTILLATES, N.O.S. (PETROLEUM NAPHTHA)

### **OTHER REQUIREMENTS:**

UN 3295, GUIDE 128

## **SECTION XIV                    OTHER REGULATORY CONTROLS**

THIS PRODUCT IS LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES. PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES. IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

## **SECTION XV                    STATE REGULATORY INFORMATION**

<b><u>STATE LISTED COMPONENT</u></b>	<b><u>CAS NO.</u></b>	<b><u>PERCENT</u></b>	<b><u>STATE CODE</u></b>
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BASED ON INFORMATION AVAILABLE TO VECTRA, INC. THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBSTANCE REGULATED BY A SPECIFIC STATE LIST.

## **SECTION XVI                    SPECIAL NOTES**

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THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, VECTRA MAKES NO WARRANTY,

EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. VECTRA ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

WE ARE PROVIDING OUR MOST RECENT MATERIAL SAFETY DATA SHEET AND/OR ENVIRONMENTAL DATA SHEET. IF YOU WISH TO RECEIVE UPDATES TO THIS INFORMATION, PLEASE CALL VECTRA'S GENERAL MSDS ASSISTANCE LINE (1-800-241-4880).

**BE SAFE. READ OUR PRODUCT SAFETY INFORMATION...AND PASS IT ON. (PRODUCT LIABILITY LAW REQUIRES IT)**

**VECTRA, INC.  
761-C MIAMI CIRCLE  
ATLANTA, GEORGIA 30324**

# **ENVIRONMENTAL DATA SHEET**

**Vectra EDS: 250900 V 9-25-2000**

## **VECTRA TEXTILE AND FABRIC SPRAY VECTRA-16 APPAREL SPRAY**

**TELEPHONE NUMBER:**

24 HOUR EMERGENCY ASSISTANCE  
Vectra: 1-800- 241-4880  
CHEMTREC: 800-424-9300

GENERAL MSDS ASSISTANCE  
Vectra: 1-800-241-4880

**MANUFACTURER'S NAME AND ADDRESS**

Vectra Enterprises, Inc.  
761-C Miami Circle  
Atlanta, Georgia 30324

**PRODUCT CODE:**

### **SECTION I PRODUCT COMPOSITION**

<b>NO. COMPOSITION</b>	<b>CAS</b>	<b>PERCENT</b>
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1. PETROLEUM DISTILLATES HYROTREATED LIGHT 170 LPA ISOPARAFFIN*	6855151-19-9	98.50-99.50
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\* A COMPLEX MIXTURE OF PREDOMINATELY BRANCHED CHAIN, SATURATED C9-C12 HYDROCARBONS.  
HMIS HAZARD RATING: HEALTH 1 FIRE 2 REACTIVITY 0

2. SEMIMETALLIC ESTER RESIN		1.50-.50
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3. VOC EXEMPT 90-95%		
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### **SECTION II SARA TITLE III INFORMATION**

<b>NO.</b>	<b>EHS RQ</b>	<b>EHS TPQ</b>	<b>SEC-313</b>	<b>313 CATEGORY</b>	<b>311/312 CATEGORY</b>
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<b>(*1)</b>	<b>(*2)</b>	<b>(*3)</b>	<b>(*4)</b>	<b>(*5)</b>
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- \*1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC 302  
\*2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC 302  
\*3 = TOXIC CHEMICAL, SEC 313  
\*4 = CATEGORY AS REQUIRED BY SEC 313 (40 CFR 372.65 C), MUST BE USED ON TOXIC RELEASE INVENTORY FORM  
\*5 = CATEGORY (FOR AGGREGATE REPORTING REQUIREMENTS UNDER SARA 311, 312)  
HEALTH: H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD  
          H-2 = DELAYED (CHRONIC) HEALTH HAZARD  
PHYSICAL: P-3 = FIRE HAZARD  
          P-4 = SUDDEN RELEASE OF PRESSURE HAZARD  
          P-5 = REACTIVE HAZARD

### **SECTION III ENVIRONMENTAL RELEASE INFORMATION**

UNDER EPA-CWA, THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311. SPILLS INTO OR LEADING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

### **SECTION IV RCRA INFORMATION**

UNDER EPA - RCRA (40 CFR 261.21), IF THIS PRODUCT BECOMES A WASTE MATERIAL, IT WOULD BE IGNITABLE HAZARDOUS WASTE, HAZARDOUS WASTE NUMBER D001. REFER TO LATEST EPA OR STATE REGULATIONS REGARDING PROPER DISPOSAL.

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DATE PREPARED: 01-27-09

VECTRA, INC.  
761-C MIAMI CIRCLE  
ATLANTA, GEORGIA 30324

FOR ADDITIONAL INFORMATION ON THIS ENVIRONMENTAL DATA PLEASE CALL  
(800) 421-4880

FOR EMERGENCY ASSISTANCE PLEASE CALL  
VECTRA: (800) 421-4880  
CHEMTREC: (800) 424-9300