

**MATERIAL SAFETY DATA SHEET**
**1. PRODUCT and COMPANY INFORMATION**

PRODUCT	CARLON® WEATHER-GUARD™ SPRAY ON RUBBER FILM	EMERGENCY TELEPHONE NUMBER	CHEMTREC: 800-424-9300
CATALOG NUMBERS	VC9WG5, VC9W16, VC9WG5C, VC9WG16C, VC9WG5CL	TELEPHONE NUMBER FOR INFORMATION	901-252-5000 ext. 8324
MANUFACTURER / SUPPLIER	THOMAS & BETTS CORPORATION	DATE OF REPARATION or REVISION	JANUARY 5, 2010
ADDRESS	8155 T & B BOULEVARD, MEMPHIS, TENNESSEE 38125		

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENTS	CAS #	% BY WT	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA PEL	OSHA STEL
XYLENE	1330-20-7	20 – 30	100 ppm	N/A	150 ppm	*100 ppm	150 ppm
POLY (BUTADIENE-CO-STYRENE)	9003-55-8	13 – 20	N/A	N/A	N/A	N/A	N/A
ALIPHATIC HYDROCARBON (N. HEXANE)	110-54-3	35 – 50	50 ppm (180 mg/m³)	N/A	N/A	*500 ppm (1800 mg/m³)	N/A
ACETONE	67-64-1	1 – 4	500 ppm	N/A	750 ppm	1000 ppm	N/A
HYDROCARBON, PROPANE	68476-86-8	12 – 20	1000 ppm	N/A	N/A	1000 ppm	N/A

\* - IF PRESENT, CHEMICAL SUBJECT TO THIS REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 ARE IDENTIFIED IN THIS SECTION

**3. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW	WARNING! FLAMMABLE AEROSOL. VAPORS AND SPRAY MIST HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHE, OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.
ROUTES OF EXPOSURE	SIGNS and SYMPTOMS
EYES:	VAPORS AND/OR PRODUCT DIRECT CONTACT MAY CAUSE IRRITATION WITH REDNESS, STINGING AND TEARING OF THE EYES. DOES NOT INJURE EYE TISSUE.
INGESTION:	SWALLOWING MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION DURING SWALLOWING OR VOMITING CAN CAUSE MILD TO SEVERE PULMONARY INJURY, POSSIBLE MINIMAL TOXICITY.
INHALATION:	HIGH VAPOR/AEROSOL CONCENTRATIONS (GREATER THAN APPROXIMATELY 100 ppm) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT. THIS PRODUCT MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH.
SKIN:	LOW ORDER OF TOXICITY. FREQUENT OR PROLONGED CONTACT MAY IRRITATE AND CAUSE DERMATITIS. SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS CONDITION.

**4. FIRST AID MEASURES**

ROUTES OF ENTRY	FIRST AID INSTRUCTIONS
EYE CONTACT:	FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES OR UNTIL CHEMICAL IS REMOVED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION IMMEDIATELY.
INGESTION:	DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO A PERSON WHO IS UNCONSCIOUS OR DROWSY. GET IMMEDIATE MEDICAL ATTENTION BY CALLING A POISON CONTROL CENTER, OR HOSPITAL EMERGENCY ROOM. IF MEDICAL ADVICE CANNOT BE OBTAINED, THEN TAKE THE PERSON AND PRODUCT TO THE NEAREST MEDICAL EMERGENCY TREATMENT CENTER OR HOSPITAL.
INHALATION:	IF SYMPTOMS OF EXPOSURE DEVELOP, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, ADMINISTER OXYGEN. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. SEEK IMMEDIATE MEDICAL ATTENTION.
SKIN CONTACT:	REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH ALL EXPOSED AREAS WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. LAUNDER CONTAMINATED CLOTHING BEFORE USE.

**5. FIRE FIGHTING MEASURES**

EXPLOSION DATA:	
FLAMMABILITY:	LEL: 1.0 % BY VOLUME UEL: 6.0 % BY VOLUME
EXTINGUISHING MEDIA:	USE DRY CHEMICAL, CO2, HALOGENATED EXTINGUISHING AGENT. STOP GAS FLOW.
FIRE FIGHTING:	WATER SPRAY SHOULD NOT BE USED EXCEPT TO KEEP DOWN VAPORS OR TO COOL CLOSED CONTAINERS TO PREVENT BUILD UP OF PRESSURE. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO EXTINGUISH FIRE. AVOID SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOILING OVER. THIS LIQUID IS VOLITILE AND GIVES OFF INVISIBLE VAPORS. EITHER THE LIQUID OR VAPOR MAY SETTLE IN LOW AREAS OR TRAVEL SOME DISTANCE ALONG THE GROUND OR SURFACE TO IGNITION SOURCES WHERE THEY MAY IGNITE OR EXPLODE. AEROSOL CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. FIRE FIGHTERS SHOULD WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF VAORS.

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**SPECIAL FIREFIGHTING PROCEDURES:** GAS FIRES SHOULD NOT BE EXTINGUISHED UNLESS THE GAS FLOW CAN BE STOPPED IMMEDIATELY. ALLOW THE FIRE TO BURN ITSELF OUT. IF THE SOURCE CANNOT BE SHUT OFF IMMEDIATELY, ALL EQUIPMENT AND SURFACES EXPOSED TO THE FIRE SHOULD BE COOLED WITH WATER TO PREVENT OVER-HEATING, FLASHBACKS, OR EXPLOSIONS. CONTROL FIRE UNTIL GAS SUPPLY CAN BE SHUT OFF. USE PROPER PROTECTIVE EQUIPMENT. USE FRESH AIR RESPIRATOR WHEN EXPOSURE TO HAZARDOUS CONCENTRATIONS OF TOXIC GASES IS POSSIBLE.

**FLAMMABILITY CONDITIONS:** EXTREMELY FLAMMABLE AEROSOL. EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE OR EXPLOSION.

**FLASH POINT / METHOD:** **RISK LEVEL 3 AEROSOL:** MATERIALS THAT CAN BE IGNITED UNDER ALMOST ALL NORMAL TEMPERATURE CONDITIONS. WATER MAY BE INEFFECTIVE BECAUSE OF THE LOW FLASH POINT.

**HAZARDOUS COMBUSTION PRODUCTS:** THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIABLE ORGANIC MATERIALS.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:** THIS PRODUCT RELEASES FLAMMABLE VAPORS AT WELL BELOW AMBIENT TEMPERATURES AND READILY FORMS FLAMMABLE MIXTURES WITH AIR EXPOSED TO AN IGNITION SOURCE. IT WILL BURN IN THE OPEN OR BE EXPLOSIVE IN CONFINED SPACES. ITS VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A POINT OF IGNITION, AND THEN FLASH BACK. ALKALINE/CHLORINE GAS MIXTURES HAVE PRODUCED EXPLOSIONS.

**6. ACCIDENTAL RELEASE MEASURES**

**CONTAINMENT PROCEDURES:** REMOVE ALL SOURCES OF IGNITION AND VENTILATE AREA. STOP LEAKS IF IT CAN BE DONE WITHOUT RISK. PERSONNEL CLEANING UP THE SPILL SHOULD WEAR APPROPRIATE PERSONAL PROTECTION EQUIPMENT, INCLUDING RESPIRATORS IF VAPOR CONCENTRATIONS ARE HIGH.

**CLEAN-UP PROCEDURES:** SOAK UP SPILL WITH AN INERT ABSORBENT SUCH AS SAND, EARTH OR OTHER NON-COMBUSTING MATERIAL. PUT ABSORBENT MATERIAL IN COVERED, LABELED METAL CONTAINERS. PREVENT LIQUID FROM ENTERING WATERCOURSES, SEWERS AND NATURAL WATERWAYS. REPORT RELEASES TO AUTHORITIES AS REQUIRED.

**EVACUATION PROCEDURES:** N/A

**DISPOSAL:** CONSULT LOCAL AUTHORITIES FOR PROPER WASTE DISPOSAL PROCEDURES. EMPTY DE-PRESSURIZED CONTAINERS CANNOT BE REUSED. CANS WHICH ARE PRESSURIZED OR CONTAIN LIQUID MUST BE DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY. CONSULT FEDERAL, STATE, AND LOCAL DISPOSAL AUTHORITIES FOR APPROVED PROCEDURES.

**7. HANDLING and STORAGE**

**HANDLING PROCEDURES:** AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPORS OR MISTS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. DO NOT EAT, DRINK OR SMOKE IN THE WORK AREA. KEEP PRODUCT AWAY FROM HEAT SPARKS, FLAMES AND ALL OTHER SOURCES OF IGNITION. NO SMOKING IN STORAGE OR USE AREA.  
*VAPORS MAY CAUSE FLASH FIRE.*

**STORAGE PROCEDURES:** STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120° F (49° C). EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE HAZARDOUS. DO NOT CUT OR WELD ON OR NEAR EMPTY OR FULL CONTAINERS.

**OTHER PRECAUTIONS:** PLEASE READ AND FOLLOW THE DIRECTIONS ON THE PRODUCT LABEL. THEY ARE YOUR BEST GUIDE TO USING THIS PRODUCT IN THE MOST EFFECTIVE WAY, AND GIVE THE NECESSARY SAFETY PRECAUTIONS TO PROTECT YOUR HEALTH.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**EXPOSURE CONTROLS**

EXPOSURE TO MANY HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISK, WHICH MAY VARY FROM PERSON TO PERSON. EXPOSURE TO LIQUIDS, VAPORS, MISTS OR FUMES SHOULD BE MINIMIZED. FOR OPERATIONS WHERE THE EXPOSURE LIMITS MAY BE EXCEEDED, A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATOR IS RECOMMENDED. PROVIDE VENTILATION TO MAINTAIN EMISSIONS LEVEL BELOW RECOMMENDED EXPOSURE LIMITS. IF USED IN ENCLOSED AREA, USE EXHAUST FANS. EXHAUST FANS SHOULD BE EXPLOSIONS PROOF OR SET UP IN A WAY THAT FLAMMABLE CONCENTRATIONS OF SOLVENT VAPORS ARE NOT EXPOSED TO ELECTRICAL FIXTURES OR HOT SURFACES.

**PERSONAL PROTECTION**

**EYE PROTECTION:** APPROVED EYE PROTECTION (SAFETY GLASSES WITH SIDE SHIELDS OR SAFETY GOGGLES) IN COMPLIANCE WITH OSHA REGULATIONS IS ADVISED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

**HAND PROTECTION:** THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT AND POSSIBLE IRRITATION. RUBBER GLOVES ARE SUITABLE FOR NORMAL USE OF THE PRODUCT. FOR LONG TERM EXPOSURES CHEMICAL RESISTANT GLOVES MAY BE REQUIRED. POLYFLUORINATED POLYETHYLENE HAS BEEN SUGGESTED.

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**RESPIRATORY PROTECTION:** IF WORKPLACE EXPOSURE LIMIT OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION 2), A NIOSH/OSHA APPROVED ORGANIC VAPOR RESPIRATOR IS ADVISED. PROPER ENVIRONMENTAL CONTROL. ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURES.

**SKIN PROTECTION:** IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED. WASH CONTAMINATED CLOTHING AND DRY BEFORE REUSE.

**VENTILATION:** PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW OSHA PEL AND ACGIH TLV LIMITS. IF USED IN ENCLOSED AREA, USE EXHAUST FANS. EXHAUST FANS SHOULD BE EXPLOSION PROOF OR SET UP IN A WAY THAT FLAMMABLE CONCENTRATIONS OF SOLVENT VAPORS ARE NOT EXPOSED TO ELECTRICAL FIXTURES OR HOT SURFACES.

**9. PHYSICAL and CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	AEROSOL SPRAY CAN	<b>AUTO-IGNITION TEMPERATURE:</b>	N/A
<b>BOILING POINT:</b>	N/A	<b>COLOR:</b>	CLEAR
<b>DENSITY (lbs/gal):</b>	6.42	<b>FLAMMABILITY:</b>	N/A
<b>EVAPORATION RATE (BUTYL ACETATE = 1):</b>	N/A	<b>ODOR:</b>	N/A
<b>MELTING POINT:</b>	N/A	<b>PERCENT, VOLATILE BY WEIGHT (%):</b>	N/A
<b>PERCENT, SOLIDS BY WEIGHT (%):</b>	N/A	<b>PHYSICAL STATE:</b>	LIQUID / LIQUIFIED COMPRESSED GAS
<b>PH:</b>	N/A	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	0.770
<b>SOLUBILITY IN WATER @ 68° F (20° C):</b>	NEGLIGIBLE	<b>VAPOR PRESSURE OF PRINCIPAL SOLVENT:</b>	< 75 psi @ 60°F
<b>VAPOR DENSITY OF PRINCIPAL SOLVENT (AIR = 1):</b>	HEAVIER THAN AIR	<b>VOC CONTENT (lbs / gal):</b>	N/A
<b>VISCOSITY:</b>	N/A	<b>ELECTRICAL FILM:</b>	CALIFORNIA EXEMPT
<b>SOLUBILITY IN ORGANIC SOLVENT:</b>	N/A		

**10. STABILITY and REACTIVITY**

**CHEMICAL STABILITY:** STABLE

**CONDITIONS TO AVOID:** AVOID HEAT, SPARKS, FLAMES AND OTHER SOURCES OF IGNITION. PRODUCT MAY EXPLODE IF HEATED. KEEP COOL AND AVOID EXPOSURE TO TEMPERATURES ABOVE 120°F.

**INCOMPATIBLE MATERIALS:** STRONG OXIDIZING AGENTS, ALKALIS, AMINES, AMMONIA, ACIDS, CHLORINE COMPOUNDS, CHLORINATED INORGANICS (POTASSIUM, CALCIUM AND SODIUM HYPOCHLORITE) AND HYDROGEN PEROXIDES.

**HAZARDOUS DECOMPOSITION PRODUCTS:** THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIABLE ORGANIC MATERIALS.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**11. TOXICOLOGICAL INFORMATION**
**TOXICOLOGICAL INFORMATION**
**CARCINOGENICITY**

**NTP:** NO

**IARC MONOGRAPHS:** NO

**OSHA REGULATED:** NO

**HEALTH HAZARDS**

**ACUTE:** VAPORS AND SPRAY MIST HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS SUCH AS DIZZINESS, HEADACHES OR NAUSEA. MAY CAUSE NOSE, THROAT, EYE AND SKIN IRRITATION. CAN BE ABSORBED THROUGH THE SKIN.

**CHRONIC:** NONE KNOWN

**12. ECOLOGICAL INFORMATION**

NO DATA AVAILABLE

**13. DISPOSAL CONSIDERATION**

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

**14. TRANSPORT INFORMATION**
**DEPARTMENT OF TRANSPORTATION (DOT)**

**UN/NA #:** LESS THAN 1 LITER (0.3 GAL)

**PROPER SHIPPING NAME:** NONE

**HAZARD CLASS:** CONSUMER COMMODITY

**PG:** ORM-D

**PG:** NONE

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ERG: NONE  
HAZARDOUS LABEL: NONE

IATA

UN/NA #: UN8000  
PROPER SHIPPING NAME: CONSUMER COMMODITY  
HAZARD CLASS: 9  
PG: NONE  
ERG: NONE  
HAZARDOUS LABEL: MISCELLANEOUS

**15. REGULATORY INFORMATION**
U.S. FEDERAL REGULATIONS

**TSCA:** ALL COMPONENTS OF THE PRODUCT ARE INCLUDED IN THE EPA TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

**CERCLA:** THE PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE UNDER REGULATIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA), 40 CFR §302.

**RCRA HAZARD CLASS:** THE PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT, OR ITS REGULATIONS, 40 CFR §261 et seq.

**CLEAN AIR ACT:** THE PRODUCT IS NOT PROCESSED WITH OR DOES NOT CONTAIN ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

SARA TITLE III INFORMATION

**SECTION 302:** THERE ARE NO COMPONENTS OF THIS PRODUCT WITH KNOWN CAS NUMBERS WHICH ARE ON THE 40 CFR PART 355 APPENDIX A LIST OF EXTREMELY HAZARDOUS SUBSTANCES.

**SECTION 311 / 312:** REQUIRES EMERGENCY PLANNING BASED ON THRESHOLD PLANNING QUANTITIES (TPQs), AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQs) OF HAZARDOUS MATERIALS LISTED IN SECTION 2.

**SECTION 313:** THIS PRODUCT CONTAINS CHEMICAL COMPONENTS SUBJECT TO SECTION 313 REPORTING:

<u>CHEMICAL NAME</u>	<u>C.A.S. NUMBER</u>
XYLENE	1330-20-7
ALIPHATIC HYDROCARBON (N. HEXANE)	110-54-3

STATE REGULATIONS / RIGHT-TO-KNOW
**CALIFORNIA  
PROPOSITION 65  
INFORMATION:**

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE(S) KNOWN TO BE ON THE CA PROP. 65 LIST:

<u>CHEMICAL NAME</u>	<u>C.A.S. NUMBER</u>
**BENZENE	71-43-2

\*\*AT TIMES THERE ARE TRACE ELEMENTS IN ALIPHATIC HYDROCARBON OF BENZENE, WHICH IS ON CA PROP. 65 LIST.

INTERNATIONAL

**WHMIS (CANADA):** THIS PRODUCT CONTAINS THE FOLLOWING THE CHEMICAL(S) LISTED AS CONTROLLED SUBSTANCES:

<u>HAZARDOUS COMPONENTS</u>	<u>CAS #</u>
XYLENE	1330-20-7
ALIPHATIC HYDROCARBON (N. HEXANE)	110-54-3
ACETONE	67-64-1
*BENZENE	71-43-2

\*AT TIMES THERE ARE TRACE ELEMENTS IN ALIPHATIC HYDROCARBON OF BENZENE, WHICH IS CLASSIFIED BY WHMIS AS A CONTROLLED SUBSTANCE.

**LABELS:** CANADIAN LABEL CLASSIFICATION REQUIRED ON CONTAINER(S): B2, D3A, D2A, D2B

**16. OTHER INFORMATION**

## HAZARD RATING SYSTEM:

	HMIS	NFPA	KEY
HEALTH	3	3	4 = SEVERE
FLAMMABILITY	4	4	3 = SERIOUS
REACTIVITY	0	0	2 = MODERATE
			1 = SLIGHT
			0 = MINIMAL

**MATERIAL SAFETY DATA SHEET****17. T&B CATALOG NUMBERS / PRODUCT NUMBERS**

TO BE USED IF SECTION 1 DOES NOT HAVE SPACE TO LIST T&B CATALOG NUMBERS.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND ACCURATE TO THE BEST OF THOMAS & BETTS CORPORATION KNOWLEDGE. THE INFORMATION RELATES TO THE SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.