

# MATERIAL SAFETY DATA SHEET

## CARLON ALL WEATHER ENT BLUE QUICKSET CEMENT

Latest Revision Date.....03/17/99

Date of Issue.....5/25/01

### SECTION 1 IDENTITY OF MATERIAL

TRADE NAME..... CEMENT-004 CARLON ALL WEATHER ENT BLUE QUICKSET PVC SOLVENT CEMENT  
PRODUCT NUMBERS..... VC9992, VC9993  
FORMULA..... PVC Resin in Solvent Solution  
CHEMICAL FAMILY..... PVC Organosol  
SYNONYMS..... PVC Plastic Pipe Cement

### SECTION 2 HAZARDOUS INGREDIENTS

INGREDIENTS	%	CAS NUMBER	SEC 313
PVC Resin (Non-Hazardous)	12-17%	9002-86-2	No
Tetrahydrofuran (See SECTION 6)	65-75%	109-99-9	No
Cyclohexanone	8-14%	108-94-1	No
Amorphous Silica	1-2%	112945-52-5	No
Blue Colorant	1-2%	N/A	No

### SECTION 3 KNOWN HAZARDS UNDER 29 CFR 1910.1200

HAZARDS	YES	NO	HAZARDS	YES	NO
Combustible Liquid		X	Skin Hazard	X	
Flammable Liquid	X		Eye Hazard	X	
Pyrophoric Material		X	Toxic Agent	X	
Explosive Material		X	Highly Toxic Agent		X
Unstable Material		X	Sensitizer		X
Water Reactive Material		X	Kidney Toxin	X	
Oxidizer		X	Reproductive Toxin	X	
Organic Peroxide		X	Blood Toxin		X
Corrosive Material		X	Nervous System Toxin	X	
Compressed Gas		X	Lung Toxin	X	
Irritant	X		Liver Toxin	X	
Carcinogen NTP/IARC/OSHA (See SECTION 6)		X			

### SECTION 4 REGULATION

CHEMICAL	TLV (TWA)	PEL	STEL	Hazard Action Level
Tetrahydrofuran	200 ppm, 590 mg/cu m	200 ppm, 590 mg/cu m	250 ppm, 735 mg/cu m	N/A
Cyclohexanone	25 ppm, 100 mg/cu m (skin)	50 ppm, 200 mg/cu m	N/A	N/A
Amorphous Silica	10 mg/cu m	20 mppcf	N/A	N/A

### SECTION 5 REGULATED IDENTIFICATION

DOT PROPER SHIPPING NAME.....CONSUMER COMMODITY ORM-D ( For gallons: Adhesive, (Contains Tetrahydrofuran, Acetone) 3, UN1133, PG II, Cement-001  
DOT HAZARD CLASS..... Flammable Liquid  
SHIPPING ID NUMBER..... NA 1133 (Gallons Only)  
EPA HAZARDOUS WASTE ID NUMBER.....D-001  
EPA HAZARD WASTE CLASS..... Ignitable Waste

### SECTION 6 EFFECTS OF EXPOSURE

ENTRY ROUTE..... INHALE/ YES    INGEST/ YES    SKIN/ YES    EYE/ YES  
INHALATION..... May cause irritation of mucous membranes, nose & throat, headache, dizziness, nausea, numbness of the extremities and narcosis in high concentrations. Has caused CNS depression & liver damage in animals, & high concentrations have caused retardation of fetal development in rats.  
TETRAHYDROFURAN  
WARNING..... The National Toxicology Program has reported that exposure of mice and rats to Tetrahydrofuran (THF) vapor levels up to 1800 ppm 6 hr/day, 5 days/week for their lifetime caused an increased incidence of kidney tumors in male rats and liver tumors in female mice. The significance of these findings for human health are unclear at this time, and may be related to "species specific" effects. Elevated incidences of tumors in humans have not been reported for THF. THF is not listed as a carcinogen by NTP, IARC, or OSHA. One THF vendor has recommended a reduction in the "acceptable exposure limit" from 200 ppm to 25 ppm, 8 and 12 hour time weighted average.  
SKIN..... Chronic contact may lead to irritation & dermatitis. Chronic exposure to vapors of high concentration may cause dermatitis. May possibly be absorbed through the skin.  
EYE..... Vapors or direct contact may cause irritation.  
INGESTION..... May be aspirated into lungs or cause systemic effects described under inhalation.  
TARGET ORGANS..... Eye, Skin, Kidney, Lung, Liver, Central Nervous System

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CARLON

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### **SECTION 7**

### **EMERGENCY AND FIRST AID PROCEDURES - 303/623-5716 COLLECT**

SKIN.....	If irritation arises, wash thoroughly with soap and water. Seek medical attention if irritation persists.
EYES.....	If fumes cause irritation, move to fresh air and irrigate eyes with water for 15 minutes. If irritation persists, seek medical attention. If eye is struck with wire, seek medical attention.
INHALATION.....	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician immediately.
INGESTION.....	Drink water and call a poison control center or physician immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

### **SECTION 8**

### **PHYSICAL AND CHEMICAL PROPERTIES**

NFPA HAZARD SIGNAL...	HEALTH	2	STABILITY	1	FLAMMABILITY	3	SPECIAL	NONE
BOILING POINT.....	151 Degrees F / 66 C							
MELTING POINT.....	N/A							
VAPOR PRESSURE.....	145 mmHg @ 20 Degrees psi							
VAPOR DENSITY (AIR = 1).....	2.5							
VOLATILE COMPONENTS.....	82-86%							
SOLUBILITY IN WATER.....	Negligible							
PH.....	N/A							
SPECIFIC GRAVITY.....	0.94 +/- 0.02							
EVAPORATION RATE.....	(BUAC = 1) = 5.0 - 8.0							
APPEARANCE.....	Blue Liquid							
ODOR.....	Ether-Like							
WILL DISSOLVE IN.....	Tetrahydrofuran							
MATERIAL IS.....	Liquid							

### **SECTION 9**

### **FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY.....	LEL = 1.8	UEL = 11.8	% Volume
FLASHPOINT AND METHOD USED.....	0 - 5 Degrees F. / PMCC		
STABILITY.....	Stable CONDITIONS TO AVOID: Heat, sparks and open flame. HAZARDOUS DECOMP. PDTS.: Carbon monoxide / carbon dioxide / hydrogen chloride / smoke.		
HAZARDOUS POLYMERIZATION.....	Will Not Occur. CONDITIONS TO AVOID: None		
INCOMPATIBILITY / MAT. TO AVOID.....	Acids, oxidizing materials, alkalis, chlorinated inorganics (potassium, calcium and sodium hypochlorite), copper or copper alloys.		
SPECIAL FIRE FIGHTING PROCEDURE.....	FOR SMALL FIRES: Use dry chemical, CO2, water or foam extinguisher. FOR LARGE FIRES: Evacuate area and call Fire Department immediately.		

### **SECTION 10**

### **SPILL AND DISPOSAL INFORMATION**

SPILL OR LEAK PROCEDURES.....	Ventilate area, stop leak if it can be done without risk. Take up with sand, earth, or other non-combustible absorbing material.
WASTE DISPOSAL.....	Dispose of according to Local, State, and Federal regulations.

### **SECTION 11**

### **SAFE USAGE DATA**

PROTECTIVE EQUIPMENT TYPES.....	EYES: Safety glasses with side shields. RESPIRATORY: NIOSH-approved canister respirator in absence of adequate ventilation. GLOVES: Rubber gloves. OTHER: Eye wash and safety shower should be available.
VENTILATION.....	GENERAL MECHANICAL: Exhaust ventilation capable of maintaining emissions at the point of use below PEL. LOCAL EXHAUST: Open doors & windows. If used in enclosed area, use exhaust fans.
PRECAUTIONS.....	HANDLING & STORAGE: Keep away from heat, sparks and flames; store in cool, dry place. OTHER: Containers, even empties will retain residue and vapors.

### **SECTION 12**

### **MANUFACTURER OR SUPPLIER DATA**

FIRM NAME & MAILING ADDRESS.....	CARLON, c/o OATEY CO. 4700 West 160th Street, P.O. Box 35906, Cleveland, Ohio 44135
OATEY PHONE NUMBER.....	(216) 267-7100
EMERGENCY PHONE NUMBER.....	For Emergency First Aid call (303) 623-5716 COLLECT. For chemical transportation emergencies ONLY, call Chemtrec at 1-800-424-9300

### **SECTION 13**

### **DISCLAIMER**

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