MATERIAL SAFETY DATA SHEET

CARLON MEDIUM GRAY PVC SOLVENT CEMENT

Latest Revision Date03/18/9	9					Date of Is	ssue5/25/01
SECTION 1	IDENTITY OF M	IATERIA	L				
TRADE NAMEPRODUCT NUMBERSFORMULASYNONYMS	CARLON MEDIUM VC9922, VC9923, V PVC Resin in Solver PVC Plastic Pipe Ce	C9941P	C SOLVE	NT CEMENT			
SECTION 2	HAZARDOUS IN	GREDIE	NTS				
INGREDIENTS PVC Resin (Non-Hazardous) Tetrahydrofuran (See SECTIO! Methyl Ethyl Ketone Cyclohexanone Acetone Amorphous Silica Gray Colorant	N 6)	% 12-17% 30-40% 30-48% 5-10% <1% <5% <1%		CAS NUM 9002-86-2 109-99-9 78-93-3 108-94-1 67-64-1 112945-55 N/A	2	SEC 313 No No Yes No No No No	
SECTION 3	KNOWN HAZAI	RDS UND	ER 29 CF	R 1910.1200			
HAZARDS Combustible Liquid Flammable Liquid Pyrophoric Material Explosive Material Unstable Material Water Reactive Material Oxidizer Organic Peroxide Corrosive Material Compressed Gas Irritant	YES X	NO X X X X X X X X X X		HAZARDS Skin Hazard Eye Hazard Toxic Agent Highly Toxic Agent Sensitizer Kidney Toxin Reproductive Toxin Blood Toxin Nervous System Tox Lung Toxin Liver Toxin	in	YES X X X X X	NO X X
Carcinogen NTP/IARC/OSHA		X					
SECTION 4	REGULATION						
CHEMICAL Tetrahydrofuran Methyl Ethyl Ketone Cyclohexanone Acetone Amorphous Silica SECTION 5	TLV (TWA) 200 ppm, 590 mg/ct 200 ppm, 590 mg/ct 25 ppm, 100 mg/ct 500 ppm, 1200 mg/ct 10 mg/ct	u m u m (skin) u m m	200 ppm, 50 ppm, 1000 ppm	590 mg/cu m 590 mg/cu m 200 mg/cu m , 2400 mg/cu m 20 mppcf	STEL 250 ppm, 735 mg/c 300 ppm, 885 mg/c N/A 750 ppm, 1800 mg/c N/A	u m	Hazard Action Level N/A N/A N/A N/A N/A N/A N/A
DOT PROPER SHIPPING NAME							
ENTRY ROUTEINHALATIONand		INGEST- of mucous		SKIN- YES s, nose & throat, head	EYE-YES ache, dizziness, naus	ea, numbnes	ss of the extremities
narcosis in high concentrations. Has caused CNS depression & liver damage in animals, & high concentrations have caused retardation of fetal development in rats. TETRAHYDROFURAN WARNING							
SKIN EYE INGESTION TARGET ORGANS	exposure limit" from 200 ppm to 25 ppm, 8 and 12 hour time weighted average. Chronic contact may lead to irritation & dermatitis. Chronic exposure to vapors of high concentration may cause dermatitis. May possibly be absorbed through the skin. Vapors or direct contact may cause irritation. May be aspirated into lungs or cause systemic effects described under inhalation. Eye, Skin, Kidney, Lung, Liver, Central Nervous System						

(Continued on next page)

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. If fumes cause irritation, move to fresh air and irrigate eyes with water for 15 minutes. If irritation persists, seek medical
LTLS	attention. If eye is struck with wire, seek medical attention.
INHALATIONand	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet 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

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 C
VAPOR DENSITY (AIR $= 1$).	2.5
VOLATILE COMPONENTS.	88 +/- 2%
SOLUBILITY IN WATER	Negligible
PH	N/A
SPECIFIC GRAVITY	0.94 +/- 0.01
EVAPORATION RATE	(BUAC = 1) = 5.5 - 8.0
APPEARANCE	Gray Liquid
ODOR	Ether-Like
WILL DISSOLVE IN	Tetrahydrofuran
MATERIAL IS	Liquid
SECTION 9	FIRE AND EXPLOSION HAZARD DATA
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SECTION 9 FIRE AND EXPLO	OSION HAZARD DATA
FLAMMABILITY	LEL = 1.8 % Volume 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, C02, 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.

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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