### **PARABOND** ®

## MATERIAL SATETY DATA SHEET

Date Revised: FEB 2008 Supersedes: FEB 2006

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Parabond Pipe Cement Co., Inc. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on this sheet.

## SECTION I

MANUFACTURER'S NAME

PARABOND®

**ADDRESS** 

P. O. BOX 70013, SANTA ANA, CA, 92725-0013

**Transportation Emergencies:** CHEMTREC: (800) 424-9300

3 E COMPANY (24 Hour No.) (800) 451-8346

Business: (310) 898-3300

**Medical Emergencies:** 

TRADE NAME:

NUTONE PVC Cement

FORMULA: Proprietary

# **CHEMICAL NAME and FAMILY**

Solvent Cement for PVC Plastic Pipe

Mixture of PVC Resin and Organic Solvents

## SECTION II - HAZARDOUS INGREDIENTS

None of the ingredients below are listed as

ACGIH-TLV ACGIH-STEL carcinogens by IARC, NTP or OSHA APPROX % OSHA-PEL OSHA-STEL CAS# Polyvinyl Chloride Resin (PVC) NON/HAZ N/A N/A Tetrahydrofuran (THF)\*\* 109-99-9 20 - 30 50 PPM# Skin 100 PPM 200 PPM 250 PPM Methyl Ethyl Ketone (MEK) 78-93-3 35 - 47\* 200 PPM 300 PPM 200 PPM 300 PPM Cyclohexanone 108-94-1 15 - 2520 PPM Skin 50 PPM

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.

- \* Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.
- # Invista and BASF mfg's Acceptable Exposure Limit (AEL) guidelines for 8 hour and 12 hour TWA, Invista/BASF recommended STEL for 15 minute TWA: 75 PPM.
- \*\*Information found in a report from the National Toxicology Program (NTP) on an inhalation study in rats and mice suggests that Tetrahydrofuran (THF) can cause tumors in animals. In the study the rats and mice were exposed to THF vapor levels up to 1800 PPM for two years (their lifetime), 6 hours/day, 5 days/week. Test results showed evidence of liver tumors in female mice and kidney tumors in male rats. No evidence of tumors was seen in female rats and male mice. There is no data linking Tetrahydrofuran exposure with cancer in humans.

BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE LITER		SPECIAL HAZARD DESIGNATIONS				
DOT Shipping Name:	Adhesive		HMIS	NFPA	HAZARD RATING	
DOT Hazard Class:	3	HEALTH:	2	2	0 - MINIMAL	
Identification Number:	UN 1133	FLAMMABILITY:	3	3	1 - SLIGHT	
Packaging Group:	II	REACTIVITY:	0	1	2 - MODERATE	
Label Required:	Flammable Liquid	PROTECTIVE			3 - SERIOUS	
		EQUIPMENT:	B - H		4 - SEVERE	
SHIPPING INFORMATION	ON FOR CONTAINERS LESS THAN ONE LITER					
DOT Shipping Name:	Consumer Commodity	B = Eye, Hand/Skin (for normal solvent-welding, small spill, clean-up activities)				
DOT Hazard Class:	ORM-D	H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/				
		immersion risks)				

SECTION III - PHYSICAL DATA				
APPEARANCE	ODOR	BOILING POINT (°F/°C)		
Clear regular syrupy liquid	Ethereal	151 °F (67 °C) Based on first boiling component: THF		
SPECIFIC GRAVITY @ 73 °F ± 3.6 ° (20 °C ± 2 °)	VAPOR PRESSURE (mm Hg.)	PERCENT VOLATILE BY VOLUME (%)		
Typical 0.900 ± 0.040	143 mm Hg. based on first boiling	Approx: 80 - 90 %		
	component, THF @ 68 °F (20 °C)			
VAPOR DENSITY (Air = 1)	EVAPORATION RATE (BUAC = 1)	SOLUBILITY IN WATER		
2.49	> 1.0	Solvent portion completely soluble in water.		
		Resin portion separates out		

VOC STATEMENT: VOC as manufactured: 785 Grams/Liter. Maximum VOC emission per SCAQMD Rule 1168, Test Method 316A: 500 Grams/Liter.

# SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	FLAMMABLE LIMITS	LEL	UEL
-4°F (-20°C) T.C.C. Based on THF	(PERCENT BY VOLUME)	2.0	11.8

#### FIRE EXTINGUISHING MEDIA

Ansul "Purple K" potassium bicarbonate dry chemical, carbon dioxide, National Aer-O-Foam universal alcohol resistant foam, water spray.

#### SPECIAL FIRE FIGHTING PROCEDURES

Evacuate enclosed areas. Stay upwind. Close or confined quarters require self-contained breathing apparatus, positive pressure masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors.

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to source(s) of ignition at or near floor or lower levels and may flash back Sheet 1 of 2

SECTION V - HEALTH HAZARD DATA							
PRIMARY ROUTES							
OF ENTRY:	X	Inhalation	X	Skin Contact	Eye Contact	Ingestion	
EFFECT OF OVEREXPO	SURE						
ACUTE:							
Inhalation:						ess, irritation of eyes and nasal passa	•
Skin Contact:		•	•		•	matitis may occur with prolonged cont	act.
Skin Absorption: Eve Contact:	•	•		result in the absorption		material. on contact with the liquid. Vapors sligh	atly upcomfortable
Ingestion:	•	•	•	omiting, diarrhea. May ca	•		ntiy unconnortable.
CHRONIC:						orted in rats exposed to 5000 ppm TH	F for 90 days.
	Elevation	of SGPT suggest	s a disturbar	nce in liver function. The	NOEL was reported t	b be 200 ppm.	
	-	S TERATOGENIC				TO PRODUCT SYNERGISTIC PRODUC	CTS
MEDICAL CONDITIONS		N. AP. ED BY EXPOSUF		. AP. N. AF als with pre-existing dise		. N. AV. or respiratory system may have increa	ased
susceptibility to the toxicity	y of excessiv	e exposures.					
EMERGENCY AND FIRS	T AID PROC	EDURES					
Inhalation:			ove to fresh	air and if breathing stop	ped, give artificial resp	iration. If breathing is difficult, give or	kygen. Call
Eve Contact:	physician. Flush eve		ater for 15 m	inutes and call a physici	an.		
Skin Contact:	Remove o	contaminated cloth		• •		or at least 15 minutes. If irritation dev	elops, get
Ingestion:	medical at Give 1 or		er or milk. Do	o not induce vomiting. C	Call physician or poisor	control center immediately.	
						·	
CTABILITY LINCTABLE	_		CONDITIO		I - REACTIV	ITY	
STABILITY UNSTABLE STABLE	Ξ	X		ONS TO AVOID ly from heat, sparks, ope	en flame and other sou	rces of ignition.	
INCOMPATIBILITY							
(MATERIALS TO AVOID)			c acids, chlo	rinated compounds, stro	ong oxidizers and isocy	anates.	
HAZARDOUS DECOMPO When forced to burn, this			oxide, carbo	n dioxide, hydrogen chlo	oride and smoke.		
HAZARDOUS	MAY OC			CONDITIONS TO			
POLYMERIZATION	WILL NO	OT OCCUR	<u> </u>		· · · · · · · · · · · · · · · · · · ·	and other sources of ignition.	
				SPILL OR LE	AK PROCE	DURES	
STEPS TO BE TAKEN IN					argo amount of water	Contain liquid with sand or earth. Abs	orb with
sand or nonflammable abs							OID WILL
WASTE DISPOSAL MET	HOD			, ,	· · · · · · · · · · · · · · · · · · ·		
	_	ions. Consult disp	osal expert.	Can be disposed of by	incineration. Excessive	e quantities should not be permitted to	enter
drains. Empty containers	should be air	dried before disp	osing. CA H	azardous Waste Code:	214.		
SECTION VIII - SPECIAL PROTECTION INFORMATION							
RESPIRATORY PROTEC							
						centrations exceed those limits, use of	
						ng respirator is limited. Use it only for	a single
self-contained breathing a		na other condition	is where sho	ort-term exposure guidei	mes may be exceeded	, use an approved positive pressure	
	pparatus.						
VENTILATION	ntilation Dra	wide cufficient ve	ntilation in w	aluma and nattorn to ka	an contominanto holou	applicable expecure limits set forth in	Coation II
Use only explosion proof v			illialion in vi	biume and pattern to ket	ep contaminants belov	applicable exposure limits set forth ir	i Section II.
PROTECTIVE GLOVES		<u> </u>	for frequent (	dipping/immersion. Use	of latey/nitrile	EYE PROTECTION Splashproof of	hemical goggles
surgical gloves or solvent						face shield, safety glasses (spectacle	0 00 .
cement welding practices			•			guards and side shields, etc. as app	•
OTHER PROTECTIVE EC	QUIPMENT /	AND HYGIENIC F	PRACTICES			exposure.	
Impervious apron and a so	ource of runn						
			SECTIO	ON IX - SPEC	AL PRECAL	ITIONS	
PRECAUTIONS TO BE T							
						ces of ignition. Avoid prolonged breatl procedures before they work with this	
OTHER PRECAUTIONS						•	-
Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All material handling equipment should be electrically grounded.							
The information contained her	ein is based or	n data considered ac	curate. Howev	ver, no warranty is expressed	d or implied regarding the	accuracy of this data or the results to be obt	ained from
the use thereof.							

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