# Material Safety Data Sheet Date last revised: April, 2001

I. GENERA	LIN	FORMATIO	)N	
Chemical Name & Synonyms ACRYLIC LATEX SEALANT	Trac	Trade Name & Synonyms		
Chemical Family		AC-20 FTR ACCOUSTICAL SEALANT Formula		
ACRYLIC LATEX Proper DOT Shipping		TURE		
CAULKING COMPOUND	NOI	Γ Hazard Classif √E	ication	
Manufacturer PECOR A CORPORATION		ufacturer's Pho	ne Number	
FECONA CONFORATION	215	-723-6051		
Manufacturer's Address 165 Wambold Road, Harleysville, PA 19438	1	mtree Phone Nu	mber	
		-424-9300 DIENTS		
Principal Hazardous Components		Percent	Threshold Limit Value (Units)	
MINERAL SPIRITS (CAS # 64741-41-9)		< 5	500 PPM	
HEALTH 0 FLAMMABILITY 0			REACTIVITY 1	
		4W223		
	1			
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	ļ			
III. PHY	SICA	L DATA		
Boiling Point (°F)		ific Gravity (H2	0 = 1)	
N/A	1.56			
Vapor Pressure (mm Hg.) 10 MINERAL SPIRITS	Percent Volatile by Volume (%) 15 – 20%			
Vapor Density (Air = 1)	Evaporation Rate (ETHER= 1)			
HEAVIER Solubility in Water	SLOWER PH			
SOLUBLE IN WET STATE, INSOLUBLE IN CURED STATE	7.0 – 7.5			
Appearance & Odor	<u> </u>			
SMOOTH PASTE – SLIGHT MINERAL SPIRITS ODOR				
	************	Siriolask-maaron-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-		
			the second section of the second section of the second section of the second section section sections are second sections.	
IV. FIRE & EXPLO	osio	N HAZARD	DATA	
Flash Point (Test Method)	Auto	Ignition Tempe	rature	
> 200° F. T.C.C. Flammable Limits	LEL	F. MINERIAL	SPIRITS UEL	
	0.8 N	MINERAL SPIR	ITS 5.0 MINERAL SPIRITS	
Extinguishing Media Small Fires: WATER SPRAY, CARBON DIG	OXIDE	E, FOAM, DRY	CHEMCIALS	
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BRI	EATH	NG APPARAT	US WHEN FIGHTING FIRES	
INVOLVING CHEMICALS.				
	M4443444400444	Mattian Notice and American		
Unusual Fire & Explosion Hazards: NONE KNOWN				
TAOLEY PRAO ALIA				

	AC-20 + FTR SEALANT PAGE 2 OF 2			
V. Health Hazard Data				
1	OSHA Permissible Exposure Limit ACGIH Threshold Limit Value			

SEE SECTION II				AND ANOMALY		
			· · · · · · · · · · · · · · · · · · ·	SEE SECTION II		
Carcinogen – NO				Carcinogen – NO		
Symptoms of Exposure: NO KNOWN EFFECTS REPORTED IN NORMAL USE OF THIS COMPOUND. AS A PRECAUTIONARY MEASURE, PRECLUDE FROM THOSE INDIVIDUALS HAVING A HISTORY OF RESPIRATORY AILMENTS.						
NONE KNOWN		gravated By Exposure				
Primary Route (s) of SKIN AND INALA						
Emergency First Ai COPIOUS AMOUR	id: S NTS	KIN: WASH WITH SO OF WATER.	OAP AND WATER.	INHALATION: MOVE TO FRESH AIR. EYES: FLUSH WITH		
	***************************************		VI. REACTI	VITY DATA		
Stability		Unstable	Conditions to Avoid	i		
	X	Stable	Conditions to Avoid	EXCESSIVE HEAT AND FREEZING TEMPERATURES		
Incompatibility			Materials to Avoid			
Hazardous		May Occur	Conditions to Avoid	i		
Polymerization	X	Will Not Occur	Conditions to Avoid	EXCESSIVE HEAT AND FREEZING TEMPERATURES		
Hazardous Decomp	ositi	on Products: CO, CO <sub>2</sub>	, AND POSSIBLY O	XIDES OF NITROGEN		
		VII, ENV	RONMENTAL PRO	OTECTION PROCEDUERS		
Spill Response: SCI SPIRITS.	RAP			ASH AREA WITH WARM, SOAPY WATER OR MINERAL		
Waste Disposal Me AND FEDERAL RI	thod EGU	: BURY IN SUITABL LATIONS.	E LANDFILL WHER	E PERMITTED UNDER APPROPRIATE LOCAL, STATE		
Maria		***************************************				
		VIII.	SPECIAL PROTEC	TION INFORMATION		
Eye Protection GLASSES OR GOO	GLI	ES		Skin Protection COTTON OR PLASTIC GLOVES		
Respiratory Protecti TYPE IN CONFINE		Specific Type) ORGA REAS	NIC	Ventilation Recommended GENERAL ROOM VENTILATION		
Other Protection: BARRIER SKIN C	REA	M IF DESIRED				
- · · · · · · · · · · · · · · · · · · ·			IX. SPECIAL PI	RECALITIONS		
				PLACE. PROTECT FROM FREEZING. WASH HANDS		
BEFORE EATING OR SMOKING.  Precautions For Repair & Maintenance of Contaminated Equipment:  SEE SECTION V.						
Other Precautions:						
NOT RECOMMENDED FOR CONTINUOUS WATER IMMERSION. AVOID INTENSE WATER CONTACT FOR 24 HOURS AFTER APPLICATION.						
		Ver	POIT OF DEACH	I OF CHII DRENIIII		
		NL1	OL OUL OF REACE	OF CHILDREN!!!!!		

# Material Safety Data Sheet Date last revised: April, 2001

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Chemical Family	For	Formula			
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Vapor Pressure (mm Hg.) 10 MINERAL SPIRITS	Percent Volatile by Volume (%) 15 – 20%				
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Solubility in Water SOLUBLE IN WET STATE, INSOLUBLE IN CURED STATE	PH 7.0 – 7.5				
Appearance & Odor SMOOTH PASTE – SLIGHT MINERAL SPIRITS ODOR					
IV. FIRE & EXPLO	osio	N HAZARD	DATA		
Flash Point (Test Method) > 200° F. T.C.C.	Auto	Auto Ignition Temperature 540° F. MINERIAL SPIRITS			
Flammable Limits LEL UEL			UEL		
Extinguishing Media Small Fires: WATER SPRAY, CARBON DIG			A - 17 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
Special Fire Fighting Procedures: WEAR SELF-CONTAINED BRI INVOLVING CHEMICALS.	EATH	ING APPARATI	JS WHEN FIGHTING FIRES		
Unusual Fire & Explosion Hazards: NONE KNOWN					

AC-20 + SILICONE	PAGE 2 OF 2		
V. Health Hazard Data			
OSHA Permissible Exposure Limit ACGIH Threshold Limit Value			

<del></del>						
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Stability		Unstable	Conditions to Avoid	d		
	X	Stable	Conditions to Avoid	d EXCESSIVE HEAT AND FREEZING TEMPERATURES		
Incompatibility	•		Materials to Avoid			
Hazardous		May Occur	Conditions to Avoid	d		
Polymerization X Will Not Occur Conditions to Avoid EXCESSIVE HEAT AND FREEZING TEMPERATURES  Hazardous Decomposition Products: CO, CO <sub>2</sub> , AND POSSIBLY OXIDES OF NITROGEN						
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				OTECTION PROCEDURES		
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Waste Disposal Me AND FEDER AL R			E LANDFILL WHER	RE PERMITTED UNDER APPROPRIATE LOCAL, STATE		
			***			
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AFTER APPLICAT						
		ι/F·	EP OUT OF REAC	H OF CHILDRENIUU		

CWC INDUSTRIES, INC. CHEM.Dlv.

2686 LISBON ROAD

CLEVELAND, OH 44104

INFORMATION TELEPHONE NO.: 216-721-4747

EMERGENCY TELEPHONE NO.: 800-255-3924

PREPARATION DATE: 05/14/99

REPLACES DATE: 11/06/98

PREPARER: GDL

# SECTION I - PRODUCT IDENTIFICATION

C & W SEAL 111395 E7341

# SECTION II - HAZARDOUS INGREDIENTS

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				OCCUPATIONAL	:	VAPOR	enove or	
		MT. PERCENT		exposure Livia	8	Pressure	Suspected	SEC
CHEWICAL MAYR	CAS NUMBER	is less than	(TLV-TWA)	(TLV-STEL)	(PEL)	makg 20C	CARCINOGEN	113
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			1		}	,		
1, IO-PHENANTEROLINE	66-71-7	0.1%	ro iĥpo	NO INFO	NO INFO	0.0	NO	MO
N-BUTYL ALCOHOL	71-36-35	0.1%	50 pps	no info	NO INTO	6.0	10	788
2-ETHYLBEXANOIC ACID	149-57-5	0.1%	NO INFO	NO INFO	NO INPO	0.0	MO	100
CALCIUN MAPTHENATE	61789-36-4	1.0%	no thbo	NO IMPO	NO INPO	0.0	NO	NO
COBALT NAPTHENATE	61789-51-3	1.02	0.05 MG/M3	NO INFO	0.1 NG/E3	2.6	NO	NO
ZIRCONION OCTOATE	22464-99-9	1,0%	S MG/NO	10 MG/M3	NO INPO	0.0	NO	NO
HANGANESE HAPTHENATE	61788-57-6	0.12	5 MG/N3	NO INFO	NO INLO	0.0	NO	YES
MECHAL ELLAL KELOZININE	96-29-7	0.15	NO INFO	NO IMPO	DO INFO	0.0	NO NO	NO NO
MINERAL OPIRITS	8052-41-3	ZZ2	100 000	100 ppe	BO THEO	2.5		-
					ARUAJES AR		<b>E</b> 0	NO

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF ASCTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-ENGY ACTS OF 1926 AND OF 40 CPR 372.

# N.A. - NOT APPLICABLE

# SECTION III - PHYSICAL DATA

BOILING RANGE : 315-390 F

ODOR

: TYPICAL BOLVENT

Evaporation rate: is slower than ether

VAPOR DENSITY : IS HEAVIER THAN AIR

APPEARANCE : LT.AMBER LIQUID VOLATILE BY WEIGHT: 60.5%

UEL:

SOLUBILITY : NONE VOLATILE BY VOLUME: 66.8% PRODUCT DENSITY: 7.2 LBs./GAL. (U.S.)

# SECTION IV - FIRE AND EXPLOSION HAZARD DATA

# FLAMMABILITY CLASSIFICATION:

FLASH POINT: 107 F (TAGLIABUE CLOSED CUP)

LEL: 0.7 %

6.0 %

osha - combustible liquid - class ii

DOT - COMBUSTIBLE LIQUID NA1993

CARBON DIOXIDE DRY CHEMICAL FOAM WATER FOG

EXTINGUISHING MEDIA:

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# SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. WATER MAY BE USED TO COOL CLOSED CONTAINERS, NOT INVOLVED IN THE FIRE ITSELF, TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. VAPORS CONCENTRATED IN A CONFINED OR POORLY VENTILATED AREA CAN BE IGNITED UPON CONTACT WITH A HIGH ENERGY SPARK, FLAME, OR HIGH INTENSITY SOURCE OF HEAT.

SPECIAL FIREFIGHTING PROCEDURES: TREAT AS CLASS B FIRE. DO NOT USE DIRECT WATER STREAM. PRODUCT MAY FLOAT ON SURFACE. IF IGNITED WILL SPREAD FIRE RAPIDLY. FIRE FIGHTERS SHOULD WEAR NIOSH/OSHA AFPROVED PRESSURE DEMAND, SELF CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING. SPILL WILL MAKE SURFACE SLIPPERY - EXERCISE DUE CAUTION. VAPORS ARE VOLATILE AND HEAVIER THAN AIR. THEY WILL TEND TO COLLECT IN LOW LYING AREAS.

# SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: EYES: IRRITANT, DISCOMFORT, BLURRED VISION, BURNING. SKIN: PROLONGED OK KEPEATED SKIN CONTACT MAY RESULT IN IRRITATION, SENSITIZATION AND DERMITITIS. INGESTION: MAY CAUSE NAUSEA AND VOMITING. INHALATION OF FUMES MAY RESULT IN DIZZINESS. HEADACHE, BLURRED VISION OR UNCONSCIOUSNESS.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: PRE-EXISTING SENSITIVITY TO SOLVENIS CAN CAUSE A HEIGHTENED REACTION BY EXPOSURE TO THIS PRODUCT. ALLERGY AND SKIN CONDITIONS.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: SKIN: WASH THOROUGHLY WITH SOAP AND WATER. EYES: FILISH WITH LARGE AMOUNTS OF COOL WATER FOR AT LEAST 15 MINUTES - CONSULT A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR, ADMINISTER OXYGEN IF AVAILABLE, TO RESTORE BREATHING. IF SPONTANEOUS VOMITING OCCURS, TAKE STEPS TO PREVENT ASPIRATION INTO THE LUNGS. IF INGESTED, CONTACT NEAREST POISON CONTROL CENTER. DO NOT INDUCE VOMITING.

# SECTION VI - REACTIVITY DATA 会の中央中央に対象の表現では、1975年には、1975年

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION MAY VIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE. SMOKE, FUMES.

CONDITIONS TO AVOID: DO NOT STORE OR USE NEAR OPEN FLAMES OR IN AREAS OF EIGH TEMPERATURE.

INCOMPATABILITY: STRONG OXIDANTS, ALKALIS. CHLORINE, HYPOCHLOROUS ACID, SODIUM HYPOCHLORITE.

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# SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR EPILLED. IF EDILL ENTERS SEWERS OR WATERWAYS, USE BOOMS (IF AVAILABLE) TO CONTROL DISPERSION. NOTIFY LOCAL FIRE DEPARTMENT AS A SAFETY PRECAUTION. AVOID BREATHING VAPOR, ENSURE ADEQUATE VENTILATION. CONTAIN SPILL, NOTIFY APPROPRIATE COMPANY PERSONNEL. KEEP UNNECESSARY PERSONS OUT OF AREA AND AWAY FROM SPILL.

WASTE DISPOSAL METHOD: CHECK COMPANY'S POLICY ON DISPOSAL DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

# SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES, SUITABLE FOR MATERIALS IN SECTION II RECOMMENDED. APPROVED CHEMICAL/MECHANICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACCHI'S TLV LIMIT.

PROTECTIVE GLOVES: USE IMPERMEABLE GLOVES.

BYE PROTECTION: CHEMICAL GOOGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: EYEWASH STATION/SAFETY SHOWER. IMPERVIOUS BOOTS AND APRON TO MINIMIZE SKIN CONTACT. LONG SLEEVE SHIRT.

HYGENIC PRACTICES: REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS BEFORE AND AFIER USE.

# SECTION IX - SPECIAL PRECAUTIONS

precautions to be taken in Handling and Storage: Read complete directions and precautions BEFORE USE. NO SMOKING SIGNS SHOULD HE POSTED AND ENFORCED. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM EXCESSIVE HEAT, DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. DO NOT LET PERSONNEL USE WITHOUT PROPER SAFETY HAZARD TRAINING.

OTHER PRECAUTIONS: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER OR RETURNED TO A DRUM RECONDITIONER.

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HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 0

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CALIFORNIA PROPOSITION 65: NOT LISTED

PENNSYLVANIA RIGHT TO KNOW: REQUIRES LISTING-SEE SECTION II HAZARDOUS INGREDIENTS. THE SPECIFIC FORMULATION IS A TRADE SECRET. INFORMATION IS AVAILABLE TO HEALTH PROFESSIONALS AS SPECIFIED IN SECTION 317.3 OF THE PROGRAM.

THE INFORMATION CONTAINED MERGIN IS. TO THE BEST OF OUR ENOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF MANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DANAGES IN-LAWS AND REGULATIONS.

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SECTION 1: PRODUCT IDENTIFICATION

Product Name:

Lap Seam Sealant LS-3029A1

Chemical Name / Synonym:

**EPDM** Adhesive

Chemical Family:

Mixture

24-Hour Emergency Phone:

(800) 424-9300 CHEMTREC

Manufacturer's Name:

Firestone Building Products Company

Manufacturer's Address:

525 Congressional Blvd., Carmel IN 46032

NFPA Hazard Rating:

Health 2, Flammability 3, Reactivity 0

HMIS Hazard Rating:

Health 2\*, Flammability 3, Reactivity 0

OSHA Hazardous:

Yes

	SECTION 2: CHEMICAL COMPOSITION						
Chemical Name:	Common Name:	CAS #:	% (by wt)	Exposure Limits:			
Aliphatic Petroleum Distillates	Naphtha	64742-89-8	<17	PEL 500 ppm TLV 300 ppm (based on TLV for VM&P Naphtha)			
Carbon Black	Channel Black	1333-86-4	<5	PEL 3.5 mg/m³ TLV 3.5 mg/m³			
Calcium Carbonate	Limestone	1317-65-3	<15	PEL <sub>(Respirable)</sub> 5 mg/m <sup>3</sup> PEL <sub>(Total)</sub> 15 mg/m <sup>3</sup> TLV 10 mg/m <sup>3</sup>			
Silica, Crystalline, Quartz	Rose Quartz, Sand	14808-60-7	<40	PEL (Respirable) $\frac{10 \text{ mg/m}^3}{(\% \text{ SiO}_2 + 2)}$ PEL (Total) $\frac{30 \text{ mg/m}^3}{(\% \text{ SiO}_2 + 2)}$ TLV (Respirable) 0.05 mg/m <sup>3</sup>			
Nonhazardous as per 29 CFR 1910.1200.	None	-	>23	None Established			

#### SECTION 3: HAZARD IDENTIFICATION

Primary Route of Exposure:

Inhalation

Signs and Symptoms of Exposure:

Eye contact may cause moderate eye irritation, redness, tearing and blurred vision. Prolonged or repeated skin contact

may cause irritation, dermatitis and drying of the skin. Inhalation may cause respiratory system irritation and central nervous system depression (Narcosis) characterized by headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive. Aliphatic Petroleum Distillate LC<sub>50</sub>: 3,400 ppm/4hr, Rat; Aliphatic

Petroleum Distillate LD<sub>50</sub>: >8 g/kg, Rat.

Medical Conditions Aggravated by Exposure:

Pre-existing lung, skin or nervous system disorders may be

aggravated by exposure to this material.

Chronic Effects:

May cause kidney and liver damage. May cause brain cell and neuromuscular damage based upon animal studies. Prolonged and repeated exposure to crystalline silica

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containing dust can result in injury to the lungs. This condition is known as silicosis. Silicosis is characterized by shortness of breath, decreased expansion of the chest, dry cough, leading to fatigue, dyspnea, and cyanosis, loss of appetite, pleuritic pain and decreased work capacity.

Carcinogenicity:

NTP Carcinogen. IARC Class 2A. Carbon Black is an IARC class 2B Carcinogen (Possibly Carcinogenic to Humans: Limited evidence in humans in the absence of sufficient evidence in experimental animals). Crystalline silica is listed by IARC as a Class 1 (carcinogenic to humans) and by NTP as a known to be a human carcinogen.

# SECTION 4: FIRST AID MEASURES

First Aid Procedures:

If this material contacts the eyes, hold eyelids open and flush immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. Get medical attention. In case of skin contact, clean with rubbing alcohol first, followed immediately by washing affected area with soap and water. In case of inhalation, remove to fresh uncontaminated air. Administer oxygen if breathing is labored. Give artificial respiration if breathing has stopped. Get medical attention immediately if oxygen or artificial respiration are administered. In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.

# SECTION 5: FIRE FIGHTING PROCEDURES

Suitable Extinguishing Media:

Carbon Dioxide, dry chemical, alcohol foam or water fog. Do not use a direct stream of water. Product will float and can be

reignited on the surface of the water.

Hazardous Combustion

Products:

Carbon Dioxide and Carbon Monoxide, Oxides of Nitrogen, Hydrogen Chloride, various Hydrocarbons, Phenols, acrid

smoke and irritating fumes.

Recommended Fire Fighting

Procedures:

Wear impermeable protective clothing and self-contained breathing apparatus. Toxic fumes and vapors may be

evolved.

Unusual Fire and Explosion

Hazards:

Heat builds up pressure in closed containers. Cool with water stream.

#### SECTION 6: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:

Precautions to Be Taken in Handling and Storing:

Remove ignition sources. Absorb on inert material. Use non-sparking tools. Place in secure containers for disposal.

Keep away from heat, sparks, and open flames. Keep containers closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground all

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transfer containers and equipment.

SECTION 7:	EXPOSURE	CONTROL	LS / PERSONAL PROTECT	LION

Ventilation:

Use in a well-ventilated location.

Respiratory Protection:

If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, a NIOSH approved organic vapor air purifying respirator may be appropriate based on employer-determined exposure levels. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air purifying respirator or when personal

exposure levels are unknown.

Eye Protection:

Wear safety glasses with side shields or chemical splash

goggles when using this product.

Skin Protection:

Wear nitrile or polyvinyl alcohol gloves for direct handling.

Other:

Not required.

Work / Hygienic Practices:

Wash exposed skin prior to eating, drinking and smoking and

at the end of each work shift. Wash contaminated clothing

prior to reuse.

SECTION 8:	PHYSICAL A	AND CHEMICA	AL PR	ROPERTIES
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Appearance and Odor:

Black viscous liquid with solvent odor.

Flash Point:

52°F

Lower Explosive Limit:

0.9%

Method Used:

TCC

Upper Explosive Limit:

6.7%

Evaporation Rate:

9.2 (Ethyl Ether=1)

Boiling Point:

240°F

pH (undiluted product):

Unknown

Melting Point:

Unknown

Solubility in Water:

Negligible

Specific Gravity:

1.1 (Water=1)

Vapor Density:

3.8 (Air=1)

Percent Volatile:

0.45

Vapor Pressure:

45 mm Hg @ 78°F

SECTION 9: STABILITY AND REACTIVITY

Thermal Stability:

Stable

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Avoid flames, sparks or other sources of ignition.

Incompatible with acids, alkalies and strong oxidizing agents.

SECTION 10: TRANSPORTATION

Regulatory Agency:

U.S.A., DOT, IMO

Proper Shipping Name:

Adhesives, 3, UN1133, II

Hazard Classification:

3

Identification Number:

UN1133

Labels Required:

Flammable Liquid

Other Requirements:

49 CFR 172.101Adhesives, UN1133, IMDG Class 3.2, pg.

January 17, 2003

Page: 4

3174, Flash point 11°C.

SECTION 11: MISCELLANEOUS INFORMATION

Additional Comments:

None

Date of Previous MSDS:

February 21, 2002

Changes Since Previous MSDS:

Carcinogenicity information in section 3; holding company

name change.

Telephone Number for

Additional Information:

(317) 575-7190

#### **DISCLAIMER**

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, a subsidiary of Bridgestone Americas Holding, Inc. assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.

Jan. 23, 2001

Sep. 02, 1997

Date Prepared

Replaces

# **MATERIAL SAFETY DATA SHEET**

# SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Hydro-Balance Bubble-Up

Product Number(s): B1, B-24

Company Name:

Product Use: Leak tracing compound

North American Research Corporation

P.O. Box 1318 Lewisville, TX 75067

Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755

Emergencies: Infotrac (800) 535-5053 (24 hours, everyday)

#### SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

	CAS				%
	Registry No.	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	Other Limits	(Optional)
Ethanol	64-17-5	1000 ppm	1000 ppm	None known	< 20
Methanol	67-56-1	200 ppm	200 ppm	250 ppm	< 0.5

#### SECTION 3 HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

CAUTION! May be irritating to the eyes and skin.

#### POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

INHALATION: Not expected to be an inhalation hazard during normal use. Excessive inhalation of vapors may cause, intentional or accidental, may cause dizziness, drowsiness, or disturbance of vision.

INGESTION: May be irritating to the mouth, throat, and stomach.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

May exacerbate existing dermatitis.

CARCINOGENICITY: NTP? No IARC Mor

IARC Monographs? No

OSHA Regulated? No

#### SECTION 4 FIRST-AID MEASURES

#### EYE CONTACT:

Wash eyes immediately with large amounts of water (preferably eye wash fountain), lifting the upper and lower eyelids and rotating eyeball. Continue washing for a minimum of 15 minutes. Get medical attention if irritation persists.

# SKIN CONTACT:

Remove contaminated clothing. Wash contact area with soap and water. Get medical attention if irritation develops or persists. Launder clothing before reuse.

#### INHALATION:

Move person to fresh air. If breathing stops, administer artificial respiration. Get medical attention immediately.

#### INGESTION:

If patient is fully conscious, give two glasses of water and induce vomiting. Obtain medical attention without delay. If medical advice is delayed and patient has swallowed a large amount, then give 3 to 4 ounces of hard liquor, such as whiskey. For children, give proportionately less liquor, according to weight.

# SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: 171°F

METHOD: PMCC

FLAMMABLE LIMITS:

LEL: Not determined

UEL: Not determined

AUTOIGNITION TEMP: Not determined

#### FIRE EXTINGUISHING MEDIA:

Water spray, CO2, dry chemical, or any class B extinguishing agent.

#### SPECIAL INFORMATION:

As in any fire, wear full protective clothing and NIOSH approved, self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

Contain liquid to prevent contamination of soil, surface water or ground water. Clean up residual with non-combustible absorbent material and wash with water. Collect material in suitable and properly labeled containers.

#### SECTION 7 STORAGE AND HANDLING

HANDLING:

Avoid skin and eye contact. Wash thoroughly after handling, before eating or drinking, and before using the restroom.

STORAGE:

Store in closed, properly labeled, original containers. Do not remove or deface label or tag.

#### SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE CONTROLS:** 

No special ventilation requirements for normal use.

PERSONAL PROTECTION:

Wear safety glasses with side shields. Wear protective gloves if excessive contact is possible. While spray mist is not expected in normal use, use mask for inhalation protection if spray mist occurs.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Fluorescent yellow, viscous liquid. Alcohol odor.

SPECIFIC GRAVITY: 0.97

VAPOR PRESSURE: Not determined VAPOR DENSITY: Not determined SOLUBILITY IN WATER: Complete

pH: 6.5

BOILING POINT: 190°F (Approximate)

FREEZING POINT: 0°F

EVAPORATION RATE (Butyl Acetate = 1): Not determined

#### SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (Materials to Avoid): None known. HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

#### SECTION 11 TOXICOLOGICAL INFORMATION

No information available.

# SECTION 12 ECOLOGICAL INFORMATION

No information available.

#### SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of container and unused contents in accordance with federal, state and local requirements.

#### SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation:

Not regulated.

#### SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: Methanol (67-56-1)

SARA TITLE III:

Section 311/312 Hazard Category: Acute: No Chronic: No Fire: Yes Pressure: No Reactive Hazard: No Section 313 Reportable Ingredients: Methanol (67-56-1)

# SECTION 16 OTHER INFORMATION

NFPA RATING: Health - 1, Flammability - 2, Reactivity - 0

HMIS® RATING: Health - 1, Flammability - 2, Reactivity - 0

HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA). HMIS® materials may be purchased exclusively from Labelmaster, 1-800-621-5808.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of North American Research Corporation. The data on this sheet are related only to the specific material designated herein. North American Research Corporation assumes no legal responsibility for use or reliance upon these data.

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION HMIS CODES PRODUCT NAME Health Metacaulk 950 Flammability 0 Reactivity 0 PRODUCT CODES PPI 66002, 66003, 66005, 66007, 66009 CHEMICAL FAMILY: Organic/Inorganic USE Firestopping Sealant MANUFACTURER'S NAME EMERGENCY TELEPHONE NO. The RectorSeal Corporation Chemtrec 24 Hours (800) 424-9300 2601 Spenwick Drive Houston, Texas 77055 USA DATE OF PREPARATION TECHNICAL SERVICE TELEPHONE NO. (800) 231-3345 August 7, 2002 \_\_\_\_\_\_\_ Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS CAS No. INGREDIENT % by WT UNITS 1344-09-8 Sodium Silicate ACGIH TLV N/D ppm OSHA PEL N/D ppm \_\_\_\_\_\_\_ Section 3 -- HAZARDS IDENTIFICATION \_\_\_\_\_ SUMMARY OF ACUTE HAZARDS May cause skin irritation. ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS INHALATION Not a respiratory irritant. EYE CONTACT Contact may cause eye irritation. SKIN CONTACT Contact may cause skin irritation. INGESTION Possible irritation to mucous membranes of the mouth, throat, and stomach. SUMMARY OF CHRONIC HAZARDS None known. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer. \_\_\_\_\_ Section 4 -- FIRST AID MEASURES \_\_\_\_\_\_ If INHALED: Not a respiratory irritant.

If on SKIN: Wash with soap and water. If irritation occurs, seek medical attention. If in EYES: Immediately flush with large amounts of water. If irritation occurs, seek medical attention. If SWALLOWED: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

\_\_\_\_\_\_\_

\_\_\_\_\_\_ LEL UEL N/D

FLASH POINT None

EXTINGUSING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat may build up and rupture closed containers.

\_\_\_\_\_\_

# Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

\_\_\_\_\_\_\_

#### Section 7 -- HANDLING AND STORAGE

\_\_\_\_\_\_

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. To prevent freezing and possible rupture of container, do not store below 40 F.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

\_\_\_\_\_\_\_

#### Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

\_\_\_\_\_

RESPIRATORY PROTECTION (SPECIFY TYPE): None required.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: N/A

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

\_\_\_\_\_\_\_

# Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

\_\_\_\_\_

BOILING POINT:

212 F (100 C) @ 760mm Hg

SPECIFIC GRAVITY (H20 = 1): VAPOR PRESSURE (mm Hq):

1.89 17 @ 68 F (20 C)

MELTING POINT:

N/A

VAPOR DENSITY (AIR = 1):

EVAPORATION RATE (ETHYL ACETATE = 1): >1

APPEARANCE/ODOR:

Cream Color/Mild Odor

SOLUBILITY IN WATER:

Soluble

Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

```
______
      Section 11 -- TOXICOLOGY INFORMATION
CHRONIC HEALTH HAZARDS
 No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
 TOXICOLOGY DATA
Ingredient Name
_______
  Sodium Silicate
           Oral-Rat LD50:1153 mg/kg
          Inhalation-Rat:N/D
______
      Section 12 -- Ecological Information
ECOLOGICAL DATA
Ingredient Name
Sodium Silicate
           Food Chain Concentration Potential
                                  N/D
          WATERFOWL TOXICITY
                                  N/D
                                  N/D
          AQUATIC TOXICITY
                          2320 ppm/96 hr/mosquito fish/TLm
Section 13 -- DISPOSAL CONSIDERATIONS
______
Waste Classification: Non-regulated solid waste
Disposal Method:
             Approved landfill
Waste from this product is not considered hazardous as defined under the
 Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in
 accordance with Federal, State, and Local regulation regarding pollution.
______
      Section 14 -- TRANSPORTATION INFORMATION
______
DOT:
          Non-Regulated
OCEAN (IMDG): Non-Regulated
AIR (IATA): Non-Regulated
WHMIS (CANADA): Non-Regulated
Section 15 -- REGULATORY INFORMATION
REGULATORY DATA
Ingredient Name
Sodium Silicate
          SARA 313
                     No
          TSCA Inventory
          CERCLA RQ
                    N/A
          RCRA Code
                    N/A
______
     Section 16 -- OTHER INFORMATION
_____
 This document is prepared pursuant to the OSHA Hazard Communication
Standard (29 CFR 1910.1200). The information herein is given in good faith,
but no warranty, expressed or implied is made. Consult RectorSeal for further
information: (713) 263-8001
```

MSDS 0169

Section	on 1 PRODUCT AND COMPA	
		HMIS CODES
PRODUCT NAME		Health 1
Metacaulk 1000		Flammability 0
		Reactivity 0
PRODUCT CODES		PPI B
66302, 66303, 6	56305, 66307, 66309, 6631	12
CHEMICAL FAMILY:		
Organic/Inorgan	nic	
USE		
Firestopping S	Sealant	
MANUFACTURER'S NAM		EMERGENCY TELEPHONE NO.
The RectorSeal	Corporation	Chemtrec 24 Hours
2601 Spenwick I	<del>-</del>	(800) 424-9300
Houston, Texas		(000) 121 3000
DATE OF PREPARATION		TECHNICAL SERVICE TELEPHONE NO.
August 7, 2002	721	(800) 231-3345
-		(000) 231 3343
	1 2 COMPOSITION/INFORM	MATION ON INGREDIENTS
	No. INGREDIENT	
-		ation Standard 29 CFR 1910.1200.
	<del>-</del>	
	a 3 HAZARDS IDENTIFICA	ATION
INHALATION  Not a respirate EYE CONTACT  Contact may cau SKIN CONTACT  Contact may cau INGESTION  Possible irrita SUMMARY OF CHRONIC None known.  MEDICAL CONDITIONS Persons with presusceptible to contact the second contact	SIGNS AND SYMPTOMS  ry irritant.  see eye irritation.  see skin irritation.  tion to mucous membranes HAZARDS  AGGRAVATED BY EXPOSURE	
Section	4 FIRST AID MEASURES	3
If INHALED:	Not a respiratory irrit	cant.
If on SKIN:		er. If irritation occurs, seek
	medical attention.	
If in EYES:	Immediately flush with	large amounts of water. If
	irritation occurs, seek	
If SWALLOWED:	If swallowed, call a ph	
	vomiting at the instruc	
	anything by mouth to an	
	5 FIRE FIGHTING MEAS	

FLASH POINT LEL UEL N/D None N/D

EXTINGUSING MEDIA

Foam, dry chemical, carbon dioxide or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat may build up and rupture closed containers.

\_\_\_\_\_\_\_

#### Section 6 -- ACCIDENTAL RELEASE MEASURES

\_\_\_\_\_\_

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

\_\_\_\_\_\_\_\_\_\_\_

# Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container closed and upright when not in use. To prevent freezing and possible rupture of container, do not store below 40 F.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers. KEEP OUT OF REACH OF CHILDREN.

#### Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

\_\_\_\_\_

RESPIRATORY PROTECTION (SPECIFY TYPE): None required.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: N/A

MECHANICAL (GENERAL): Preferable

OTHER: N/A

PROTECTIVE GLOVES: Wear rubber gloves.

EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent) OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls recommended.

WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area.

Launder contaminated clothing before reuse.

### Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

\_\_\_\_\_

A/N

BOILING POINT:

212 F (100 C) @ 760mm Hg SPECIFIC GRAVITY (H20 = 1): 1.25

17 @ 68 F (20 C) VAPOR PRESSURE (mm Hg):

MELTING POINT:

VAPOR DENSITY (AIR = 1):

EVAPORATION RATE (ETHYL ACETATE = 1): >1

Red Paste/Mild Odor APPEARANCE/ODOR:

SOLUBILITY IN WATER: Soluble

\_\_\_\_\_\_

# Section 10 -- STABILITY AND REACTIVITY

\_\_\_\_\_

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 and fragmented hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

\_\_\_\_\_\_

CHRONIC HE No ingr			s an IARC, NTP or O	SHA listed carcinogen.			
TOXICOLOGY Ingredient							
None							
	Section 12 Ecological Information						
ECOLOGICAL Ingredient							
None							
	V E	Food Chain Concen WATERFOWL TOXICIT BOD AQUATIC TOXICITY	tration Potential Y	N/A N/A N/A N/A			
AND DOOR OWN OWN COME THEY SEED SEED STORY .	Section	13 DISPOSAL C	 ONSIDERATIONS				
Waste from Resource accordance	this pro Conserva ce with F	ation and Recovery Sederal, State, as	idered hazardous as y Act (RCRA) 40 CFR nd Local regulation	defined under the 261. Dispose of in regarding pollution.			
AIR (IATA) WHMIS (CAN	3):	Non-Regulated Non-Regulated Non-Regulated Non-Regulated					
		15 REGULATORY		======================================			
REGULATORY Ingredient							
None	T C F	CERCLA RQ RCRA Code	N/A All components list N/A N/A	ted			
		16 OTHER INFO					
Standard (2	29 CFR 19 canty, ex	210.1200). The inspressed or implies		rd Communication s given in good faith, t RectorSeal for furthe			

SECTION 1

IDENTITY OF MATERIAL

Trade Name:

OATEY #5 PASTE FLUX

Product Numbers:

30011, 30012, 30013, 30014, 30041, 53017

Formula:

N/A

Synonyms:

Flux for Copper Pipe

Firm Name &

OATEY CO. 4700 West 160th Street P.O. Box 35906 Cleveland,

Mailing Address:

Ohio 44135, U.S.A. http://www.oatey.com

Oatey Phone Number: (216) 267-7100

Emergency Phone

For Emergency First Aid call 1-303-623-5716 COLLECT. For

Numbers:

chemical transportation emergencies ONLY, call Chemtrec at

1-800-424-9300

SECTION 2 COMPOSITION

INGREDIENTS:	<u>%:</u>	CAS NUMBER:	ACGIH TLV TWA:	OSHA PEL TWA:
Petrolatum	65 - 77%	8009-03-8	5 mg/m3	5 mg/m3
			(oil mist)	(oil mist)
Zinc Chloride	20 - 25%	7646-85-7	1 mg/m3(fume)	1 mg/m3(fume)
			2 mg/m3 STEL	
Ammonium Chloride	1 - 5%	12125-02-9	10 mg/m3 (fume)	None

EMERGENCY OVERVIEW Yellow paste with a slight odor. Toxic. May cause burns to the eye and skin. Inhalation of fumes may cause respiratory irritation, metal fume fever, chills, nausea and vomiting. Swallowing may cause burns to the mouth or throat, vomiting, diarrhea and kidney or liver disorders. May be fatal. Symptoms may be delayed. NFPA Hazard Signal: Health: 3 Stability: 1 Flammability: 0 HMIS Hazard Signal: Health: 3\* Stability: 1 Flammability: 0 Special: None

OSHA Hazard Classification:

toxic, target organ effects

20 mg/m3 STEL

Established

Canadian WHIMS Classification: Class E

EMERGENCY AND FIRST AID PROCEDURES - CALL 1-303-623-5716 COLLECT

Skin:

Remove contaminated clothing. Wash thoroughly with soap and water. Call

a physician or poison control center if irritation persists.

Eyes:

Remove contact lenses if any. Rinse eyes with water for 15 minutes. Get

immediate medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim guiet and warm. Call a poison control center or physician 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.

SECTION 5 FIRE FIGHTING MEASURES

Flashpoint / Method: 540 F / 282 C Flammability: LEL = N/A, UEL = N/A

Extinguishing Small Fires: Use dry chemical, CO2, water, or foam extinguisher Media: Large Fires: Evacuate area and call Fire Department immediately

Special Fire Firefighters should wear positive pressure self-contained Fighting breathing apparatus and full protective clothing for fires in

Procedure: areas where chemicals are used or stored

Unusual Fire and None known.

Explosion Hazards:

Hazardous Hydrocarbons, hydrogen chloride, zinc fumes, tin fumes, copper fumes, ammonia, smoke, carbon monoxide, carbon dioxide and Decomposition

Products: nitrogen oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate area. Stop leak if it can be done without risk. Personnel Spill or cleaning up the spill should wear appropriate personal protective Leak equipment. Take up spill with sand, earth or other absorbent material Procedures:

and place into a clean, dry leak-proof container.

SECTION 7 HANDLING AND STORAGE

Handling: Do not get in eyes. Do not get on skin or clothing. Do not take

> internally. Avoid breathing vapors or fumes. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed when

not in use. Handle with care. Keep out of reach of children.

Store in original, labeled container. Storage:

Containers, even empty will retain residue and may be harmful. Other:

EXPOSURE CONTROLS/PERSONAL PROTECTION SECTION 8

Good general ventilation (equivalent to outdoors) should be adequate Ventilation:

for normal use. For operations where the TLV may be exceeded,

mechanical ventilation such as local exhaust may be needed to maintain

exposure levels below applicable limits.

For operations where the TLV may be exceeded, a NIOSH/MSHA approved Respiratory Protection:

particulate respirator or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Page 2 of 5

Wear rubber gloves. Skin

Protection:

Eye Safety glasses with sideshields or safety goggles.

Protection:

Other: Eye wash and safety shower should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 638 Degrees F / 337 C

Melting Point: N/A Vapor Pressure: N/A

Vapor Density: (Air = 1) Greater than 1

Volatile Components: 7-10% Solubility In Water: Negligible

pH: N/A
Specific Gravity: 1.1
Evaporation Rate: N/A

Appearance: Yellow Paste
Odor: Very little odor
Will Dissolve In: Methylene Chloride

Material Is: Paste

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable. Conditions To Avoid: None.

Hazardous Hydrocarbons, hydrogen chloride, zinc fumes, tin fumes, copper

Decomposition fumes, ammonia, smoke, carbon monoxide, carbon dioxide and

Products: nitrogen oxides.

Incompatibility/ Strong oxidizing agents, potassium, cyanides and sulfides.

Materials To Avoid:

Hazardous Will not occur.

Polymerization:

SECTION 11 DISPOSAL INFORMATION

Waste Disposal: Dispose of in accordance with federal, state, and local regulations.

It is the responsibility of the end-user to determine at the time of

disposal of the product.

SECTION 12

TOXICOLOGICAL INFORMATION

Inhalation:

Fumes from heated product may be corrosive to mucous membranes and

the respiratory system. Fumes may cause burning sensation,

coughing, wheezing, shortness of breath, cyanosis, fever, chills, muscular pain, anemia, metallic taste in the mouth, headache, nausea, vomiting, sweating, diarrhea and pulmonary edema. Fumes may cause stannosis, a mild benign pneumoconiosis. Repeated

inhalation of fumes may cause occupational asthma. Symptoms may be

Skin:

Contact may cause irritation, ulcerations, burns or dermatitis.

Symptoms may be delayed.

Eye:

Vapors or fumes may cause redness, pain, blurred vision and

corneal damage. Direct contact may cause burns and eye damage with

possible blindness. Symptoms may be delayed.

Ingestion:

May cause irritation or burns to the mouth and throat, nausea, vomiting or diarrhea. Death may occur from strictures of the

esophagus and pylorus. Symptoms may be delayed.

Toxicity Data:

Petrolatum:

No data available

Zinc Chloride:

Oral rat LD50: 350 mg/kg

Sensitization: Carcinogenicity: Ammonium Chloride: Oral rat LD50: 1,650 mg/kg None of the components are known to cause sensitization.

None of the components are listed as a carcinogen or suspect

carcinogen by NTP, IARC or OSHA.

Mutagenicity: Reproductive

None of the components have been found to be mutagenic.

None of the components are known to cause adverse reproductive

effects.

Toxicity: Medical

Persons with pre-existing skin, lung, kidney or liver disorders

may be at increased risk from exposure to this product.

Conditions Aggravated By

Exposure:

SECTION 13 TRANSPORTATION INFORMATION

DOT

Proper Shipping Name:

Zinc Chloride Mixture

Hazard Class/Packing Group: 8, PG III

UN/NA Number:

UN1840

Hazard Labels:

Non-Corrosive

IMDG

Proper Shipping Name:

Zinc Chloride Mixture

Hazard Class/Packing Group: 8, PG III

UN Number:

UN1840

Label:

Non-Corrosive

RCRA Hazardous Waste Number:

EPA Hazardous Waste ID Number: None

EPA Hazard Waste Class: None

SECTION 14

REGULATIONS

Hazard Category for Section Acute Health, Chronic Health

311/312:

Section 302 Extremely

Hazardous Substances (TPQ):

This product does not contain chemicals regulated

under SARA Section 302.

Section 313 Toxic Chemicals:

This product contains the following chemicals subject to SARA Title III Section 313 Reporting

requirements:

Chemical

CAS #

Zinc Chloride 7646-85-7 20-25%

CERCLA 103 Reportable

Quantity:

Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product, based on the RQ for Zinc Chloride (25% maximum) of 1,000 lbs, is 4,000

lbs. Many states have more stringent release

reporting requirements. Report spills required under

federal, state and local regulations.

California Proposition 65:

This product does not contain chemicals regulated

under California Proposition 65.

TSCA Inventory:

All of the components of this product are listed on

the TSCA inventory.

#### SECTION 15 DISCLAIMER

The information herein has been compiled from sources believed to be reliable, upto-date, and is accurate to the best of our knowledge. However, Oatey cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.

Latest Revision Date: 7/22/02 Page 5 of 5

MSDS Name: PRO VALUE Acrylic Latex Caulk w/silicone - White 10oz

Version Number

Revision Date: OCT-13-2005

1 Page Number:

# SECTION I - PRODUCT AND COMPANY INFORMATION

PRO VALUE Acrylic Latex Caulk Product Name:

w/silicone - White 10oz

Health: 1 Fire: 0 Reactivity: 0 PPE: B HMIS Hazard Rating:

Company Identification: HENKEL CONSUMER ADHESIVES

7405 PRODUCTION DRIVE

MENTOR OH 44060

# SECTION II - INGREDIENT AND HAZARD INFORMATION

CAS Number Percent TSCA Hazardous Ingredient Name

No OSHA hazardous ingredients known at this time.

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# SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

High viscosity caulk Form:

WHITE Appearance/Color: Solubility (in water): yes pH Value, +/-.3: 8.

212.°F (100.°C) Vapor Pressure (mmHg): 15.@ 68.°F (20.°C)
Evaporation Rate: 0.5 times Slower than n-Butyl Acetate

Heavier than air Vapor Density:

% Volatile, Weight approx. 20.6
% Volatile, Volume approx. 30.%
1.65194

VOC (less H2O or exempt) <20 Gr/L (.7%)

NOTE:

Odor : Mild acrylic odor. Freeze Point : 32 Deg F

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SECTION IV - FIRE FIGHTING MEASURES (Flash, UEL, LEL for solvent only)

Flammability Class N/A

Not Available Flash Point: Explosive Range (LEL/UEL): Not Applicable

MSDS Name: PRO VALUE Acrylic Latex Caulk w/silicone - White 10oz Version Number 2 OCT-13-2005 Revision Date: Page Number: EXTINGUISHING MEDIA: Dry chemical -- Carbon Dioxide -- Foam -- Water Fog Will not burn in wet state. SPECIAL FIRE-FIGHTING PROCEDURES: Water may be used to cool and protect exposed containers. Caution should be taken because uncured material is water soluble. UNUSUAL FIRE AND EXPLOSION HAZARDS: Any closed container may burst when exposed to extreme heat or fire. SECTION V - HEALTH HAZARD DATA ROUTES OF ENTRY: ENTRY THROUGH... Inhalation and skin most likely CARCINOGENICITY... NTP? N/E | IARC Monographs? N/E | OHSA? NO EFFECTS OF OVEREXPOSURE May cause nose or throat irritation. Skin/Eye Contact: May cause irritation. Ingestion: Swallowing large amounts may cause nausea, vomiting. ( an unlikely route of entry ) FIRST AID MEASURES Inhalation: If affected by inhalation, remove to fresh air. Eye Contact: Flush with water for at least 15 minutes, and get prompt medical attention. Skin Contact: Wash skin thoroughly with soap and water. Ingestion: Drink water, and get medical attention. \_\_\_\_\_\_ N/A= Not applicable N/AV=Not available N/E, N/est=Not established \_\_\_\_\_\_ SECTION VI - STABILITY AND REACTIVITY Product is stable under normal storage conditions Stability: Hazardous Polymerization: Will not occur under normal conditions INCOMPATABILITY: None CONDITIONS TO AVOID: None HAZARDOUS DECOMPOSITION PRODUCTS: May produce oxides of carbon and oxides of nitrogen when burned. SECTION VII - ACCIDENTAL RELEASE AND DISPOSAL MEASURES:

MSDS Name: PRO VALUE Acrylic Latex Caulk w/silicone - White 10oz Version Number 2 OCT-13-2005 Revision Date: Page Number: 3 STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate protective clothing. Add dry absorbent and shovel or sweep up. Place in an appropriate container and seal. WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local regulations. SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION Occupational Exposure Limits ACGIH TLV ACGIH TLV-C ACGIH STEL OSHA STEL OSHA PEL RESPIRATORY PROTECTION: NIOSH respirators recommended if vapors and mists are generated. VENTILATION: Local exhaust is recommended for safe practice. PROTECTIVE CLOTHING: Gloves and clothing should be worn to prevent repeated skin contact. EYE PROTECTION: Eye protection should be worn. HANDLING AND STORAGE PRECAUTIONS: Keep from freezing. Keep away from heat. Keep containers closed when not in use. Avoid prolonged or repeated contact with skin. Keep out of the reach of children. SECTION IX - TRANSPORT INFORMATION: (not all sizes available) GROUND TRANSPORT (DOT) - DOMESTIC Caulking compound, Non Regulated AIR TRANSPORT (DOT) - DOMESTIC Caulking compound, Non Regulated AIR TRANSPORT ( IATA ) - INTERNATIONAL Caulking compound, Non Regulated MARINE - OCEAN TRANSPORT ( IMDG ) Caulking compound, Non Regulated SECTION X - REGULATORY INFORMATION: All chemical substances are TSCA listed. California PROP.65 Chemicals: none known

MSDS Name: PRO VALUE Acrylic Latex Caulk w/silicone - White 10oz

Version Number 2

Revision Date: OCT-13-2005

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#### DISCLAIMER:

The information contained herein is based on data available as of the date of preparation of this MSDS and which we believe to be reliable. However, no warranty is expressed or implied regarding the accuracy of the data. We shall not be responsible for the use of this information, or of any product, method, apparatus mentioned, and user must make his own investigation to determine the suitability of the information or products for his particular purpose, for the protection of the environment, and the health & safety of the users of this material.

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# Material Safety Data Sheet

Accumetric LLC 350 Ring Road Elizabethtown, KY 42701 (800) 928-2677

# **BOSS® 370 RTV Silicone Sealant**

CHEMICAL NAME:

CUSTOMER NAME:

RTV SILICONE ADHESIVE

BOSS® 370 HVAC/R

RTV SILICONE SEALANT

**SEALANT** 

CHEMICAL FAMILY:

SILICONE

FORMULA:

**MIXTURE** 

HAZARD CLASS:

U.N. NUMBER:

PACKING GROUP:

# **HAZARDOUS INDREDIENTS**

NAME: METHYLTRIACETOXYSILANE

CAS NUMBER: 004153343

PERCENT BY WEIGHT: 2.00%

ACGIH TLV: NONE ESTABLISHED OSHA PEL: NONE ESTABLISHED OSHA STEL: NONE ESTABLISHED

NAME: ETHYLTRIACETOXYSILANE

CAS NUMBER: 017689779

PERCENT BY WEIGHT: 2.00%

ACGIH TLV: NONE ESTABLISHED OSHA PEL: NONE ESTABLISHED OSHA STEL: NONE ESTABLISHED

NAME: SILICA

CAS NUMBER: 007631869

PERCENT BY WEIGHT: 10.00%

ACGIH TLV: 10 MG/M3

OSHA PEL: NONE ESTABLISHED OSHA STEL: NONE ESTABLISHED

NON-HAZARDOUS INGREDIENT: POLYDIMETHYSILOXANE

# PHYSICAL PROPERTIES

BOILING POINT: N/A

VAPOR PRESSURE (MM HG): <5 MM

VAPOR DENSITY (AIR=1): N/A SOLUBILITY IN WATER: <0.1%

APPEARANCE AND ODOR: ACETIC ACID-LIKE PASTE

SPECIFIC GRAVITY (H20=1): 1.04

MELTING POINT: N/A

VOC CONTENT: 32 GRAMS/LITER EVAPORATION RATE (ETHER 1): <1

#### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD: 212 DEG F/100 DEG C OPEN CUP

FLAMMABLE LIMITS: NOT DETERMINED

LEL%: N/D UEL%: N/

EXTINGUISHING MEDIA: WATER, WATER FOG, CO2, DRY CHEMICAL, FOAM

SPECIAL FIRE FIGHTING PROCEDURES:

SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD

BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE KNOWN.

### REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: AIR OR MOISTURE CAUSES POLYMERIZATION AND

ACETIC ACID VAPORS ARE FORMED.

INCOMPATIBILITY: OXIDIZING MATERIAL CAN CAUSE A REACTION.

HAZARDOUS DECOMPOSTION OR BYPRODUCTS:

SILICONE DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED

CARBON PRODUCTS.

HAZARD POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

# HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION: YES

SKIN: YES

INGESTION: YES

HEALTH HAZARDS:

NONE KNOWN

CARCINOGENICITY:

NTP: NO

IARC MONOGRAPHS: NO

OSHA REGULATED: NO

SIGNS AND SYMPTOMS OF EXPOSURE:

INGESTION: MAY CAUSE STOMACH DISCOMFORT

SKIN CONTACT: UNCURED PRODUCT MAY IRRITATE LIPS, GUMS, TONGUE, AND

SKIN.

EYE CONTACT: UNCURED PRODUCT CONTACT IRRITATE EYES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION

SKIN: WIPE OFF AND FLUSH WITH WATER

INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION

ORAL: OBTAIN MEDICAL ATTENTION

# Comments:

When heated to temperatures above 150°C (300°F) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate eyes, nose and throat. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA permissible exposure limit for formaldyhyde.

#### PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND USE ABSORBENT MATERIAL TO TAKE CARE OF ANY OIL-LIKE RESIDUES.

WASTE DISPOSAL METHOD:

REVIEW ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION TO DETERMINE APPROVED DISPOSAL METHOD.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE BELOW 90 DEG. F. USE REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS:

NONE KNOWN

# **CONTROL MEASURES**

RESPIRATORY PROTECTION:

ACID GAS/ORGANIC VAPOR TYPE

VENTILATION:

LOCAL EXHAUST: NONE ESTABLISHED

MECHANICAL: NONE

SPECIAL: N/A
OTHER: N/A

PROTECTIVE GLOVES: USE CHEMICAL WORKERS GLOVES.

EYE PROTECTION: USE PROPER EYE PROTECTION, SAFETY GLASSES AS

MINIMUM.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

NONE

WORK PRACTICES:

GROSS AMOUNTS OF MATERIAL SHOULD BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

DATE PREPARED: December 5, 2002 REVISION DATE: August 12, 2003