

W. R. GRACE
MATERIAL SAFETY DATA SHEET

Product Name: Procor Part B (Procor 10,20,and 75), Perm-A-Barrier Liquid TG Part B

MSDS ID Number: M-85880

MSDS Date: 07/22/2011

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Procor Part B (Procor 10,20, and 75), Perm-A-Barrier Liquid TG Part B

MSDS Number: M-85880

Cancelled MSDS Number: M-85816

MSDS Date: 07/22/2011

Chemical Description: SBR Rubber Emulsion.

Product Use: Waterproofing Products

CAS # (Chemical Abstracts Service Number): Mixture-NA

Manufactured by:

W.R.Grace & Co.-Conn.
62 Whittemore Avenue
Cambridge, MA 02140

Grace Canada, Inc.
294 Clements Road West
Ajax, Ontario L1S 3C6

In Case of Emergency Call: (617) 876-1400

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS#	Percent (max)
Styrene-Butadiene block copolymer	009003-55-8	50-100

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Caution!

Causes eye irritation.

Causes skin irritation.

Product supplied as two-component package and part A reacts with part B (and with water). A&B (or A & water) Reaction is exothermic, releasing heat.

Fumes may also be released if unused mixed product is allowed to sit in containers of thicknesses exceeds 120 mils.

Mixed A&B (or A & water) product may reach temperatures of 300°F.

Reaction product is sticky and will adhere to skin.

Contact with hot material will result in burns.

Do not seal containers once Part A is mixed with part B (or A with water.)

Sealed containers may explode due to pressure from the reaction.

HMIS Rating:

Health: 1

Flammability: 0

Reactivity: 0

Personal Protective Equipment: B,G (See Section 8)

Potential Health Effects:

Inhalation: When mixed material (A&B) is allowed to set in the container, temperatures up to 300°F can be

reached, liberating water vapor, Carbon Disulfide and other Hydrocarbons. Inhalation of those materials can cause irritation. Prolonged inhalation can cause lung damage.

Effects include: Flu-like symptoms (metal fume fever).

Eye Contact: Eye contact causes irritation.

Skin Contact: Skin contact causes irritation. Product reacts with component A.

Contact with hot material will result in burns.

Reacting material is sticky and hot and will adhere to skin if touched before fully cured.

Skin Absorption: Not expected to be harmful if absorbed through the skin.

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Ingestion: Due to the physical nature of this product, ingestion of this product is not likely. If ingested, causes irritation to the linings of the mouth, esophagus and stomach. Effects include the following: Nausea, vomiting, sneezing, coughing, labored breathing and burns.

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SECTION 4 - FIRST AID MEASURES:

Skin Contact: In case of skin contact, clean fingernails and wash skin with soap and water. If residue remains, clean with waterless handcream or abrasive soap. Never use solvents.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

Eye Contact:

Flush eyes with water for at least 15 minutes while holding eyelids open.

If discomfort or irritation persists, consult a physician.

Ingestion: Do not induce vomiting.

Never give anything by mouth to an unconscious person.

If discomfort or irritation persists, consult a physician.

Inhalation: If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point:	>300°F
Flash Point Method:	Estimated
Lower Explosion Limit:	Not Available
Upper Explosion Limit:	Not Available
Auto-Ignition Temperature:	Not Available

NFPA Rating:

Health:	1
Flammability:	1
Reactivity:	0

Extinguishing Media: In case of fire, use dry chemical, Carbon dioxide or foam.

Use water spray only if component A is not present.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Water may be used to cool containers to prevent pressure build-up and possible auto-ignition or explosion. Avoid breathing hazardous vapors or products of combustion, keep upwind. Isolate area and keep unnecessary people away. Prevent run-off from fire control or dilution from entering streams or drinking water supplies.

Unusual Fire and Explosion Hazards:

None unless noted below.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Spills/Leaks:

Use proper personal protective equipment. Do not flush to sewer or allow to enter waterways. Keep unnecessary people away.

SECTION 7 - HANDLING AND STORAGE

Precautionary Measures:

Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

Wear respiratory protection during spray applications or where ventilation is inadequate.

Product supplied as two component package and part A reacts with part B (and with water).

A&B (or A & water) Reaction is exothermic, releasing heat.

Fumes may also be released if unused mixed product is allowed to sit in containers or if thicknesses exceed 120 mils.

Reaction product is sticky and will adhere to skin.

Contact with hot material will result in burns.

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Do not touch material once thickening (reaction) begins, and until cured and cool.

Procor 10 , 20 and Perm-A-barrier Liquid TG are supplied in mixing pails. Once component A&B are mixed, use all product within 30-60 minutes of mixing to avoid heat build up due to exothermic reaction (release of heat and fumes). Reaction times may vary depending upon temperature and mixing conditions.

Procor 75 is packaged for machine application and should not be hand mixed.

Promptly cleanse hands after handling.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT**EXPOSURE GUIDELINES (US)**

Ingredient	ACGIH TLV			OSHA PEL			Other
	TWA	STEL	Ceiling	TWA	STEL	Ceiling	
Styrene-Butadiene block copolymer	-	-	-	-	-	-	

EXPOSURE GUIDELINES (CANADA)

Employers should consult local Provincial regulatory limits for exposure guidelines which may vary locally.

Engineering Controls: Provide local exhaust ventilation to prevent vapor build-up during application. This is particularly important in enclosed or confined areas where natural ventilation may not be adequate. Provide enough ventilation to maintain exposure levels below regulatory limits.

Respiratory Protection: Respiratory protection requirements vary by product application. Consult respiratory protection section of the "Part A" MSDS's For Procor 75, Procor 20, Procor 10 and Perm-A – Barrier.

Skin Protection: Impervious (PVC, or nitrile) gloves should be worn any time direct contact is possible.

Eye Protection: At minimum, safety glasses with side shields should be worn where exposure to excessive dust or spray is likely.

Work/Hygienic Practices: Use good personal hygiene practices.

Carbon disulfide and other potentially harmful gases, vapors and fumes may evolve as a result of exothermic reactions ("hot product") when component A&B are mixed. Carbon disulfide may be detected by odor at about 1 ppm, but the ability to smell fatigues (diminishes) rapidly, therefore, odor does not serve as a good warning property. If eye or respiratory irritation occurs, or if a foul odor is detected, you may be experiencing exposure to Carbon disulfide and other organics. Leave the area immediately and seek fresh air.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance/Odor:	A milky white aqueous dispersion with mild aromatic odor.
Odor Threshold: (ppm)	Not Determined
pH:	9-12
Vapor Pressure: (Mm Hg)	Unknown
Vapor Density: (Air = 1)	Unknown
Solubility In Water:	Miscible
Specific Gravity: (Water = 1)	1.0
Evaporation Rate: (Butyl Acetate = 1)	Unknown
Boiling Point:	>212°F/100°C
Viscosity:	Unknown
Bulk Density: (Pounds/Cubic Foot)(Pcf)	~60
% Volatiles (70°F) (21°C)	Not Determined

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions To Avoid:	Strong oxidizers.
Hazardous Polymerization:	Will not polymerize.

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Hazardous Decomposition Products: Carbon dioxide and Carbon monoxide.

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SECTION 11 - TOXICOLOGICAL INFORMATION**Ingredient(No data unless listed.)****CAS Number****LD50 and LC50****Carcinogenicity:**

Ingredient	IARC Group 1	IARC Group 2A	IARC Group 2B	NTP Known	NTP Suspect	OSHA
Styrene-Butadiene block copolymer	No	No	No	No	No	No

Mutagenicity: Not applicable.**Teratogenicity:** Not applicable.**Reproductive Toxicity:** Not applicable.**SECTION 12 - ECOLOGICAL INFORMATION****Environmental Fate:** No data available for product.**Ecotoxicity:** No data available for product.**SECTION 13 - DISPOSAL CONSIDERATIONS****Waste Disposal Procedures:**

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable regulations.

SECTION 14 - TRANSPORTATION INFORMATION**Proper Shipping Name:** Not Applicable**UN/NA Number:** Not Applicable**Domestic Hazard Class:** NonHazardous**Surface Freight Classification:** Adhesive Cements N.O.I.**Label/Placard Required:** Not Applicable**SECTION 15 - REGULATORY INFORMATION****REGULATORY CHEMICAL LISTS:****CERCLA (Comprehensive Response Compensation and Liability Act):****(None present unless listed below)**

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>CERCLA RQ</u>
1,3-Butadiene	000106-99-0	.001	10 lb final RQ; 4.54 kg final RQ
Styrene	000100-42-5	.08	1000 lb final RQ; 454 kg final RQ

SARA Title III (Superfund Amendments and Reauthorization Act)**SARA Section 312/Tier I & II Hazard Categories:**

Health Immediate (acute) Yes

Health Delayed (chronic) No

Flammable No

Reactive No

Pressure No

302 Reportable Ingredients (Identification Threshold 1%):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>	<u>SARA 302 TPQ</u>
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313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
1,3-Butadiene	000106-99-0	.001
Styrene	000100-42-5	.08

National Volatile Organic Compound Emission Standards For Architectural Coatings:**Volatile Organic Content:** (gr/L) 75 g/l (as applied)**WHMIS Classification(s):** D2 B

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

State Regulatory Information:

California Proposition 65: WARNING! This product contains substances known to the state of California to cause cancer, birth defects or other reproductive harm.

Massachusetts Hazardous Substance List(Identification threshold 0.001%(1ppm)):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
1,3-Butadiene	000106-99-0	.001
Styrene	000100-42-5	.08

New Jersey Hazardous Substance List(Identification threshold (0.1%)):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
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Pennsylvania Hazardous Substance List(Identification threshold 0.01%):

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt %</u>
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CHEMICAL INVENTORY STATUS:

All chemicals in this product are listed or exempt from listing in the following countries:

US	CANADA		EUROPE	AUSTRALIA	JAPAN	KOREA	PHILIPPINES
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	No	Yes	Yes	No	Yes	No

SECTION 16 - OTHER INFORMATION

Non-Hazardous Ingredient Disclosure:

<u>Chemical Name</u>	<u>CAS Number</u>
Water	007732-18-5

Prepared by: EH&S Department

Approved by: EH&S Department

Approved Date: 07/22/2011

Disclaimer:

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."