## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Procor® 75 Low Viscosity Spray Grade, Part A
**MSDS Number:** M-85742
**Cancelled MSDS Number:** M-85732
**MSDS Date:** 12/30/04
**Chemical Family Name:** Naphthenic Oils and Inorganic Filler
**Product Use:** Waterproofing Products
**Chemical Formula:** Mixture-NA
**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:**

In USA: (617) 876-1400 In Canada: (905) 683-8561

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS# | Percent (max) |
|---|---|---|
| Calcium oxide | 001305-78-8 | 30-45 |
| Castor oil based ester | NJ801415063P | 1-5 |
| Distillates, petroleum, hydrotreated heavy naphthenic | 064742-52-5 | 45-60 |
| Quartz | 014808-60-7 | 1-10 |
| Zinc oxide | 001314-13-2 | 1-5 |

## SECTION 3 - HAZARDS IDENTIFICATION

**Emergency Overview:**

**Warning!**
Causes eye irritation.
Causes skin irritation.
Causes digestive tract irritation if ingested.
Product supplied as two component package and part A reacts with partB (and with water).
A&B (and A with water) Reaction is exothermic, releasing heat.
Fumes may be released if unused mixed product is allowed to sit in containers or if thicknesses exceed 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 mixed with part B or contaminated with water.
Sealed containers may explode due to pressure from the reaction.

**HMIS Rating:**

| | |
|---|---|
| Health: | 1 |
| Flammability: | 1 |
| Reactivity: | 1 |
| Personal Protective Equipment: | B, G (See Section 8) |

**Potential Health Effects:**

**Inhalation:** When mixed material is allowed to react in a container, temperatures up to 300°F can be reached, liberating water vapor, Carbon Disulfide and other Hydrocarbons. Inhalation of these 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 other component and also with water.
Mixed A&B components become sticky and release heat. Sticky product will adhere to skin.
Contact with hot materials will result in burns.
**Skin Absorption:** Not expected to be harmful if absorbed through the skin.
**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.

## 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 hand-cleaner or abrasive soap. Never use solvents.
If discomfort or irritation persists, consult a physician.
Remove contaminated clothing and wash before reuse.
**Eye Contact:** If discomfort or irritation persists, consult a physician.
Flush eyes with water for at least 15 minutes while holding eyelids open.
**Ingestion:** Consult a physician.
Never give anything by mouth to an unconscious person.
Do not induce vomiting.
**Inhalation:** If symptoms persist, consult a physician. If symptoms develop, get fresh air.
If breathing has stopped, give artificial respiration then oxygen if needed.

## SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

| | |
|---|---|
| **Flash Point:** | Not Determined |
| **Flash Point Method:** | Not Applicable |
| **Lower Explosion Limit:** | Not Available |
| **Upper Explosion Limit:** | Not Available |
| **Auto-Ignition Temperature:** | Not Available |

**NFPA Rating:**

| | |
|---|---|
| **Health:** | 1 |
| **Flammability:** | 1 |
| **Reactivity:** | 1 |

**Extinguishing Media:** In case of fire, use dry chemical, Carbon dioxide or alcohol foam.
**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 known for this product.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES:

**Spills/Leaks:**
Use proper personal protective equipment. According to EPA (40 CFR § 261.3) waste of this product is not defined as hazardous. Do not flush to sewer or allow to enter waterways. Keep unnecessary people away.
Oils spills released directly to waterways may be subject to reporting requirements. Immediately contact your company's environmental coordinator or the Grace Environmental Health and safety Department.

## 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.
A&B (and A with water) reaction is exothermic releasing heat.
Fumes may also be released if unused mixed product is allowed to sit in containers or if thickness exceed 120 ml.
Do not touch material once thickening (reaction) begins, and until cured and cool.
Hot sticky product will adhere to skin.
Contact with hot materials will result in burns
Procor 75 (A&B) is designed for spray application with mixing of A&B component at the spray nozzle.
Procor 75 (A&B) 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 | |
| Calcium oxide | 2 mg/m3 TWA | - | - | 5 mg/m3 TWA (not in effect as a result of reconsideration) | - | - | - |
| Castor oil based ester | - | - | - | - | - | - | - |
| Distillates, petroleum, hydrotreated heavy naphthenic | - | - | - | - | - | - | - |
| Quartz | 0.05 mg/m3 TWA (this TLV is for the respirable fraction of dust) | - | - | respirable dust: 0.1 mg/m3 TWA | - | - | - |
| Zinc oxide | 5 mg/m3 TWA (fume); 10 mg/m3 TWA (dust) (The value for Zinc oxide "dust" is | 10 mg/m3 STEL (fume) | - | fume: 5 mg/m3 TWA; total dust: 10 mg/m3 TWA; respirable fraction: 5 mg/m3 TWA | fume: 10 mg/m3 STEL | - | - |
| Oil Mist | 5mg/$m^3$ | - | - | 5mg/$m^3$ | 10mg/$m^3$ | - | - |

Respirable Quartz (Crystalline silica) can result in lung disease (i.e. silicosis and or lung cancer). However, due to the physical nature of this product (liquid) exposures are not expected unless after product dries it is abraded and airborne dust is created.

### EXPOSURE GUIDELINES (CANADA)

Employers should consult 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.

**Personal Protective Equipment:**

**Respiratory Protection:** During spray applications, the use of a NIOSH approved dust/mist respirator such as a Type P-95 is required. The specified respirator may not adequately protect against exposure during actual working conditions, which must be assessed before and throughout product application. (See Work/Hygienic Practices.)

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

**Eye Protection:** Safety glasses or goggles should be worn.

**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 components 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 is present, 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.

Quartz (Crystalline silica) is a naturally occurring mineral that is contained in the materials that are mined from the earth's surface such as sand, limestone, clay and gypsum (calcium sulfate). Total quartz is a value usually representing the combined fraction of large non-respirable sized particles and of respirable sized particles (less than ten microns in acrodynamic diameter). It is only the respirable sized fraction of total quartz that is recognized as hazardous by professionals in the field of Occupational Health and by most regulatory agencies.

This product contains compounds subject to exposure guidelines and/or identified as carcinogens (See section 8 and 11).

Due to the physical nature of this product, (liquid) these compounds are not likely to reach exposure limits unless after product dries, it is abraded and airborne dust is created.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Physical State:** | Liquid |
| **Appearance/Odor:** | A brownish semi-viscous liquid with an aromatic odor. |
| **Odor Threshold:** (ppm) | Not Determined |
| **pH:** | Not Applicable |
| **Vapor Pressure:** (Mm Hg) | Not Determined |
| **Vapor Density:** (Air = 1) | Not Determined |
| **Solubility In Water:** | Insoluble |
| **Specific Gravity:** (Water = 1) | ~1.28 |
| **Evaporation Rate:** (Butyl Acetate = 1) | Not Determined |
| **Boiling Point:** | Not Determined |
| **Viscosity:** | Unknown |
| **Bulk Density:** (Pounds/Cubic Foot)(Pcf) | ~83 |
| **% Volatiles :** (70°F) (21°C) | Not Determined |

## SECTION 10 - STABILITY AND REACTIVITY

| | |
|---|---|
| **Chemical Stability:** | Stable |
| **Conditions To Avoid:** | Heat, Strong acids, Organic materials, Water, phosphorous pentoxide, magnesium, rubber, linseed oil, hydrogen flouride, boric acid and the reaction process will cause a pressure build up in unvented containers and could result in an explosive release of pressure. Therefore, once part A and Part B are mixed, containers must not be sealed until the reaction is complete and the product is cured. Once cured this material is no longer sensitive to contact with water. |
| **Hazardous Polymerization:** | Will not polymerize. |
| **Hazardous Decomposition Products:** | Carbon dioxide and toxic fumes of zinc oxide. |

## SECTION 11 - TOXICOLOGICAL INFORMATION

| Ingredient(No data unless listed.) | CAS Number | LD50 and LC50 |
|---|---|---|
| Zinc oxide | 001314-13-2 | Inhalation LC50 Mouse : 2500 mg/m3; Oral LD50 Mouse : 7950 mg/kg |

**Carcinogenicity:**

| Ingredient | IARC Group 1 | IARC Group 2A | IARC Group 2B | NTP Known | NTP Suspect | OSHA |
|---|---|---|---|---|---|---|
| Calcium oxide | No | No | No | No | No | No |
| Castor oil based ester | No | No | No | No | No | No |
| Distillates, petroleum, hydrotreated light naphthenic | No | No | No | No | No | No |
| Quartz | Yes | No | No | Yes | Yes | Yes |
| Zinc oxide | No | No | No | No | No | No |

**Mutagenicity:** No information available.
**Teratogenicity:** No information available.
**Reproductive Toxicity:** No information available.

## 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. May be subject to industrial or special waste classification. 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:** Non Hazardous
**Surface Freight Classification:** Adhesive Cement 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)**

| Chemical Name | CAS # | Wt % | CERCLA RQ |
|---|---|---|---|

**SARA Title III (Superfund Amendments and Reauthorization Act)**

**SARA Section 312/Tier I & II Hazard Categories:**

| | |
|---|---|
| Health Immediate (acute) | No |
| Health Delayed (chronic) | No |
| Flammable | No |
| Reactive | No |
| Pressure | No |

**302 Reportable Ingredients (Identification Threshold 1%.):**

| Chemical Name | CAS # | Wt % | SARA 302 TPQ |
|---|---|---|---|

**313 Reportable Ingredients (Chemicals present below reporting threshold are exempt):**

| Chemical Name | CAS # | Wt % |
|---|---|---|
| Zinc compounds | RR-00578-7 | 2.4 |

**National Volatile Organic Compound Emission Standards For Architectural Coatings:**

**Volatile Organic Content:** (gr/L) 75 g/l (as applied)

**WHMIS Classification(s):** D2 B

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:** This product may, upon mixing, release small amounts of Carbon disulfide, a substance found on California's Proposition 65 list.

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

| Chemical Name | CAS # | Wt % |
|---|---|---|
| Quartz | 014808-60-7 | 6.72 |

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

| Chemical Name | CAS # | Wt % |
|---|---|---|
| Zinc compounds | RR-00578-7 | 2.4 |

**Pennsylvania Hazardous Substance List(Identification threshold 0.01%):**

| Chemical Name | CAS # | Wt % |
|---|---|---|

**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 | No | Yes | Yes | Yes | Yes | Not Determined | Not Determined |

## SECTION 16 - OTHER INFORMATION

**Non-Hazardous Ingredient Disclosure:**

| Chemical Name | CAS Number |
|---|---|

**Prepared by:** EH&S Department
**Approved by:** EH&S Department
**Approved Date:** 12/30/04

**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."