

**W. R. GRACE**  
MATERIAL SAFETY DATA SHEET

Product Name: Procor Flushing Oil

MSDS ID Number: M-85825

MSDS Date: 02/24/2009

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Procor Flushing Oil  
**MSDS Number:** M-85825  
**Cancelled MSDS Number:** M-85730  
**MSDS Date:** 02/24/2009  
**Chemical Family Name:** Light Naphthenic Petroleum Oil  
**Product Use:** Line Cleaning / Flushing Oil  
**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
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**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)
Distillates, petroleum, hydrotreated heavy naphthenic	064742-52-5	50-100

**SECTION 3 - HAZARDS IDENTIFICATION**

**Emergency Overview:**

**Caution!**

Causes eye irritation.  
Causes skin irritation.  
Causes respiratory tract irritation.

**HMIS Rating:**

Health:	1
Flammability:	1
Reactivity:	0
Personal Protective Equipment:	H (See Section 8)

**Potential Health Effects:**

**Inhalation:** Causes respiratory tract irritation.  
**Eye Contact:** Eye contact causes irritation.  
Symptoms may persist for several days.  
**Skin Contact:** Skin contact causes irritation.  
**Skin Absorption:** Not expected to be harmful if absorbed through the skin.  
**Ingestion:** Ingestion is not a likely route of exposure.  
If ingested, may cause nausea and vomiting.

**SECTION 4 - FIRST AID MEASURES:**

**Skin Contact:** In case of skin contact, wash skin with soap and water.  
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.

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**SECTION 5 - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** 321°F  
**Flash Point Method:** Pensky-Martin Closed Cup  
**Lower Explosion Limit:** Not Available  
**Upper Explosion Limit:** Not Available  
**Auto-Ignition Temperature:** Not Available

**NFPA Rating:**

**Health:** 0  
**Flammability:** 1  
**Reactivity:** 0

**Extinguishing Media:** In case of fire, dry chemical, Carbon dioxide or foam.  
Water is not recommended, burning material will float.

**Special Fire Fighting Procedures:** Firefighters should be equipped with Self-contained Breathing Apparatus (SCBA) to prevent inhalation of hazardous decomposition products. (See Section 10.)  
Do not scatter spilled material with high pressure water stream. Fog nozzles are preferred if water is used.

**Unusual Fire and Explosion Hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

**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.  
Oil spills released directly to waterways may be subject to National Response Center (1-800-424-8802) reporting. 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.  
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	
Distillates, petroleum, hydrotreated heavy naphthenic	-	-	-	-	-	-	-
Oil mist, Mineral	5mg/cm			5mg/cm			

**EXPOSURE GUIDELINES (CANADA)**

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

**Engineering Controls:** Not generally required.

**Personal Protective Equipment:**

**Respiratory Protection:** Respiratory protection is not normally required. If use creates a vapor or spray mist, the use of a N-95 particulate respirator should be considered when ventilation is inadequate.

**Skin Protection:** PVA supported polyvinyl alcohol, nitrile or viton gloves are recommended. Natural rubber or butyl rubber gloves should not be worn.

**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.  
None beyond those noted above.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Appearance/Odor:</b>	Dark Fluid, little odor
<b>Odor Threshold: (ppm)</b>	Not Determined
<b>pH:</b>	Not Applicable
<b>Vapor Pressure: (Mm Hg)</b>	<1.0 mm Hg @ 20°C
<b>Vapor Density: (Air = 1)</b>	Not Available
<b>Solubility In Water:</b>	Negligible
<b>Specific Gravity: (Water = 1)</b>	0.91
<b>Evaporation Rate: (Butyl Acetate = 1)</b>	Not Available
<b>Boiling Point:</b>	> 550 °F
<b>Viscosity:</b>	Unknown
<b>Bulk Density: (Pounds/Cubic Foot)(Pcf)</b>	Not Applicable
<b>% Volatiles (gr/L): (70°F) (21°C)</b>	4.2

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable
<b>Conditions To Avoid:</b>	Strong oxidizers.
<b>Hazardous Polymerization:</b>	Will not polymerize.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide.

**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
Distillates, petroleum, hydrotreated heavy naphthenic	No	No	No	No	No	No

<b>Mutagenicity:</b>	Not applicable.
<b>Teratogenicity:</b>	Not applicable.
<b>Reproductive Toxicity:</b>	Not applicable.

**SECTION 12 - ECOLOGICAL INFORMATION**

<b>Environmental Fate:</b>	No data available for product.
<b>Ecotoxicity:</b>	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**

<b>Proper Shipping Name:</b>	Not Applicable
<b>UN/NA Number:</b>	Not Applicable
<b>Domestic Hazard Class:</b>	Nonhazardous
<b>Surface Freight Classification:</b>	Petroleum Lubricating Oil. N.O.I.
<b>Label/Placard Required:</b>	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>
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**SARA Title III (Superfund Amendments and Reauthorization Act)**

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

Health Immediate (acute)	Yes
Health Delayed (chronic)	Yes
Flammable	No
Reactive	No
Pressure	No

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

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

<b><u>Chemical Name</u></b>	<b><u>CAS #</u></b>	<b><u>Wt %</u></b>
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**National Volatile Organic Compound Emission Standards For Architectural Coatings:**

**Volatile Organic Content:** (gr/L) <1.0 G/L

**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 does not contain 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)):**

<b><u>Chemical Name</u></b>	<b><u>CAS #</u></b>	<b><u>Wt %</u></b>
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**New Jersey Hazardous Substance List(Identification threshold (0.1%)):**

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

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

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

<b>US</b>	<b>CANADA</b>		<b>EUROPE</b>	<b>AUSTRALIA</b>	<b>JAPAN</b>	<b>KOREA</b>	<b>PHILIPPINES</b>
TSCA	DSL	NDSL	EINECS/ELINCS	AICS	ENCS	ECL	PICCS
Yes	Yes	No	Yes	Yes	Not Determined	Yes	No

**SECTION 16 - OTHER INFORMATION**

**Non-Hazardous Ingredient Disclosure:**

<b><u>Chemical Name</u></b>	<b><u>CAS Number</u></b>
Prepared by:	EH&S Department
Approved by:	EH&S Department
Approved Date:	02/24/2009

**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."