SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Marine Clean**
Product Use/Restriction:	Degreaser
Manufacturer Name:	POR-15, Inc.
Address:	P.O. Box 1235 Morristown, NJ 07962-1235
General Phone Number:	800-457-6715
Customer Service Phone Number:	973-887-1999
Technical Product Information:	800-457-6715
Emergency Phone Number:	1-800-457-6715
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
MSDS Format:	ANSI

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Potassium Hydroxide	1310-58-3	12 - 12 by weight	
Ethylene Glycol Monobutyl Ether	111-76-2	6 - 6 by weight	

SECTION 3 - HAZARDS IDENTIFICATION

Route of Exposure:	Skin, eyes
Potential Health Effects:	
Eye:	
Skin:	
Inhalation:	
Ingestion:	
Chronic Health Effects:	
Signs/Symptoms:	Not Applicable
Target Organs:	
Aggravation of Pre-Existing Conditions:	Not Applicable

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes occasionally lifting eyelids. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing thoroughly before re-use.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if necessary.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Note to Physicians:	
Other First Aid:	

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	
Flash Point:	No data
Flash Point Method:	T.O.C.
Auto Ignition Temperature:	
Lower Flammable/Explosive Limit:	
Upper Flammable/Explosive Limit:	
Fire Fighting Instructions:	Not Applicable
Extinguishing Media:	Dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, sand.
Unsuitable Media:	
Protective Equipment:	As in any fire wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Not Applicable
Hazardous Combustion Byproducts:	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**POR-15 Engine Enamels**
Product Use/Restriction:	Enamel Paint
Manufacturer Name:	POR-15, Inc.
Address:	P.O. Box 1235 Morristown, NJ 07962-1235
General Phone Number:	800-457-6715
Customer Service Phone Number:	973-887-1999
Technical Product Information:	800-457-6715
Emergency Phone Number:	1-800-457-6715
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
MSDS Format:	ANSI

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Odorless Mineral Spirits	64741-65-7	16.3 - 16.3 by weight	
Mineral Spirits	8052-41-3	13.8 - 13.8 by weight	
Titanium dioxide	13463-67-7	3.22 - 3.22 by weight	

SECTION 3 - HAZARDS IDENTIFICATION

Route of Exposure:	
Potential Health Effects:	
Eye:	
Skin:	
Inhalation:	
Ingestion:	
Chronic Health Effects:	
Signs/Symptoms:	
Target Organs:	
Aggravation of Pre-Existing Conditions:	

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes occasionally lifting eyelids. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing thoroughly before re-use.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if necessary.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Note to Physicians:	
Other First Aid:	

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Combustible liquid. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back.
Flash Point:	62.8°C (145°F)
Flash Point Method:	
Auto Ignition Temperature:	
Lower Flammable/Explosive Limit:	
Upper Flammable/Explosive Limit:	
Fire Fighting Instructions:	Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferrable.
Extinguishing Media:	Dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, sand.
Unsuitable Media:	
Protective Equipment:	As in any fire wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Closed containers may explode when exposed to extreme heat. Do not apply to

	hot surface. Vapors are heavier than air and may travel along the ground to an ignition source and flash back.
Hazardous Combustion Byproducts:	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	
Environmental Precautions:	
Spill Cleanup Measures:	
Other Precautions:	

SECTION 7 - HANDLING and STORAGE

Handling:	
Storage:	
Work Practices:	
Special Handling Procedures:	
Hygiene Practices:	

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.Use in well-ventilated areas only. Have adequate general exhaust.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Contact lenses should not be worn.
Skin Protection Description:	Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered to a minimum. & dbo_Section8.HandProtectionDescription
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, spray painting, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Eyewash and deluge shower should be available.

EXPOSURE GUIDELINES

Notes :

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Flash Point:	62.8°C (145°F)
Flash Point Method:	
Auto Ignition Temperature:	
VOC Content:	CHEVY ORANGE 440 gm/litre CHEVY RED 425 gm/litre CHEVY BLUE 400 gm/litre FORD BLUE 431 gm/litre FORD MEDIUM BLUE 430 gm/litre FORD GREEN 439 gm/litre BUICK Turquoise 437 gm/litre BUICK GREEN 435 gm/litre CHRYSLER BLUE 438 gm/litre CHRYSLER RUQUOISE 437 gm/litre CADILAC DARK BLUE 438 gm/litre OLDS GOLD 440 gm/litre FORD RED 442 gm/litre AUSTIN HEALY GREEN 441 gm/litre MG MAROON 412 gm/litre HP YELLOW 439 gm/litre HEMI-ORANGE 427 gm/litre WHITE 434 gm/litre BLACK 428 gm/litre ALUMINUM 451 gm/litre FORD CORPORATE BLUE 439 gm/litr

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	
Reactivity:	
Hazardous Polymerization:	
Conditions to Avoid:	
Incompatible Materials:	
Special Decomposition Products:	

SECTION 11 - TOXICOLOGICAL INFORMATION

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Non-Regulated
DOT UN Number:	
DOT Hazard Class:	Non-Regulated
DOT Packing Group:	

SECTION 15 - REGULATORY INFORMATION

Odorless Mineral Spirits :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

SECTION 16 - ADDITIONAL INFORMATION

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**POR-15 Rust Preventive Paint**
Product Use/Restriction:	Paint
Manufacturer Name:	POR-15, Inc.
Address:	P.O. Box 1235 Morristown, NJ 07962-1235
General Phone Number:	800-457-6715
Customer Service Phone Number:	973-887-1999
Technical Product Information:	800-457-6715
Emergency Phone Number:	1-800-457-6715
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
MSDS Creation Date:	December 02, 2008
MSDS Revision Date:	December 02, 2008
MSDS Format:	ANSI

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
<u>POR-15 Black, Silver, Gray, and Clear</u>			
Polyisocyanate Prepolymer based on MDI	Proprietary	40 - 60 by weight	
Naptha Petroleum	64742-94-5	25 - 35 by weight	
Diphenylmethane Diisocyanate (MDI) mixed isomers	26447-40-5	3 - 4 by weight	
Polymeric Diphenylmethane Diisocyanate(pMDI)	9016-87-9	2 - 3 by weight	
  <u>POR-15 POR-15 Semi Gloss Black</u>			
Aromatic Polyisocyanate based on MDI	Proprietary	40 - 60 by weight	
Naptha Petroleum	64742-94-5	25 - 35 by weight	
Diphenylmethane Diisocyanate (MDI) mixed isomers	26447-40-5	3 - 4 by weight	
Polymeric Diphenylmethane Diisocyanate(pMDI)	9016-87-9	2 - 3 by weight	

SECTION 3 - HAZARDS IDENTIFICATION

Route of Exposure:

Potential Health Effects: Eyes: Severe irritation; tearing skin, discoloration-drying; breathing: irritation, dizziness, unconsciousness (for solvent).

For isocyanates: Coughing, irritation of mucous membranes and respiratory tract.

SKIN EFFECTS: Slight to moderate irritation(MDI); skin sensitizer in guinea pigs(MDI).

No conclusive evidence has been developed to indicate that MDI or POR-15 is carcinogenic, teratogenic or that either one causes reproductive effects in animals or humans. MDI has been reported by NIOSH to be mutagenic to Salmonella Typhimurium bacteria in the presence of a mammalian liver activation system. There is not full agreement in the scientific community on the significance of these Ames test results and their relationship to human safety in assessing the risk of cancer in man. A commitment has been made to perform an animal life-time inhalation study on polymeric MDI.

Eye: HUMAN EFFECTS OF OVEREXPOSURE:
Liquid, vapors, or aerosols are irritating to the eyes and can cause lachrymation (tearing effect). Corneal damage can occur; however, indications are that the damage is reversible and does not result in permanent injury.

Skin: HUMAN EFFECTS OF OVEREXPOSURE:
Polymeric MDI reacts with skin protein and tissue moisture and can cause localized irritation as well as discoloration. Prolonged contact could produce reddening, swelling, or blistering and, in some individuals, skin sensitization resulting in dermatitis.

Inhalation: HUMAN EFFECTS OF OVEREXPOSURE:
Inhalation of MDI vapors or aerosols in concentrations above 0.02 ppm can produce irritation of the mucous membranes in the respiratory tract, running nose, sore throat, productive cough and a reduction of lung function. Extensive exposures to concentrations well above the TLV could lead to bronchitis, bronchial spasm and pulmonary edema. These effects are usually reversible. However, due to low vola tility, high exposures are not anticipated except if the material is overheated or sprayed as an aerosol into the air. Hypersensitivity pneumonitis has also been reported. Another type of response is hyperreactivity or

	hypersensitization. Persons with a preexisting unspecific bronchial hyperreactivity or persons with a specific isocyanate hype rsensitivity (as a result of previous repeated overexposure or a single large dosage)will respond to small isocyanate concentrations at levels well below the TLV of 0.02 ppm. Symptoms could be immediate or delayed and include chest tightness, respiratory distress or asthmatic attack.
Ingestion:	HUMAN EFFECTS OF OVEREXPOSURE: Ingestion could result in irritation and some corrosive action in the mouth, stomach tissue and digestive tract. However, it is not considered a common occupational route of exposure.
Chronic Health Effects:	
Signs/Symptoms:	
Target Organs:	
Aggravation of Pre-Existing Conditions:	

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes occasionally lifting eyelids. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing thoroughly before re-use.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if necessary. Asthmatic-type symptoms may develop and may be immediate or delayed up to several hours. Treatment is essentially symptomatic.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Give 250 ml of milk or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Consult physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Combustible liquid. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back. 1B
Flash Point:	40°C (104°F)
Flash Point Method:	TCC
Lower Flammable/Explosive Limit:	1%
Upper Flammable/Explosive Limit:	7.1%
Fire Fighting Instructions:	Use cold water to cool fire-exposed containers.
Extinguishing Media:	Dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, sand.
Protective Equipment:	As in any fire wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	During a fire, MDI vapors and other irritating, toxic gases may be generated by thermal decomposition (see section 7). At temperatures greater than 400 deg F (204 deg C), polymeric MDI can polymerize and decompose.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	
Environmental Precautions:	
Spill Cleanup Measures:	Eliminate source of ignition of vapors, wear protective clothing while cleaning up; absorb on sand, clay, or absorbent material.
Other Precautions:	

SECTION 7 - HANDLING and STORAGE

Handling:	
Storage:	STORAGE TEMPERATURE (min/max): 32 deg F (0 deg C)/122 deg F (50 deg C) AVERAGE SHELF LIFE: 6 months to 2 years (unopened can) @ 77 deg F (25 deg C) SPECIAL SENSITIVITY (heat, light, moisture): If container is exposed to high heat, container may pressurize slightly. If container is opened and used as supply can, do not re-seal can as pressure may build up due to reaction producing carbon dioxide, which might cause re-sealed container to pressurize and burst. Store in tightly closed container and protect from moisture and foreigh materials. At maximum storage temperatures noted, material may slowly polymerize without hazard. Ideal storage temperature range is 50-81 deg F (10-27 deg C).
Work Practices:	
Special Handling Procedures:	
Hygiene Practices:	

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.Ventilation as required to maintain air concentrations below exposure standards. If material is spray-applied, ventilation should be provided and air supplied respirators worn. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Contact lenses should not be worn.
Skin Protection Description:	Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered to a minimum. & dbo_Section8.HandProtectionDescription
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister approved for use in isocyanate containing environments may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. In spray applications you must protect against exposure to both vapor and spray mist. An air-supplied respirator is strongly recommended for spray application. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Eyewash and deluge shower should be available.

EXPOSURE GUIDELINES

Notes :

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid
Color:	Black
Odor:	Aromatic
Boiling Point:	111°C (232°F)
Density:	8.9 pounds/gallon
Specific Gravity:	1.6 (Water = 1)
Solubility:	Nil in water
Vapor Density:	4.5 (Air = 1)
Vapor Pressure:	38 mm Hg
Percent Volatile:	Clear 34.6 % Silver 35.1 % Black 36 % Grey 38.1 % Semi Gloss 32.8 %
Evaporation Point:	For solvent: 4.5 (Ether = 1)
Viscosity:	200-500 CPS @ 25°C (77°F)
Flash Point:	40°C (104°F)
Flash Point Method:	TCC
VOC Content:	For POR-15 Clear: 301 grams per liter For POR-15 Silver: 325 grams per liter For POR-15 Black: 294 grams per liter For POR-15 Grey: 333 grams per liter For POR-15 Semi gloss: 270 grams per liter

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions.
Reactivity:	
Hazardous Polymerization:	Will not occur in unopened cans under normal conditions.
Conditions to Avoid:	Temperatures below 0°C (32°F) or above 50°C (122°F). To maintain freshness: Avoid contact with water, alcohols, amines, strong bases, metal compounds or surface active materials.
Incompatible Materials:	
Special Decomposition Products:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Naptha Petroleum :

Skin:	Skin - Rabbit Standard Draize Test.: 500 uL/24H - [mild](RTECS) Skin - Rabbit LD50: >2 mL/kg - [Behavioral - somnolence (general depressed activity) Behavioral - changes in motor activity (specific assay) Behavioral - irritability](RTECS)
Inhalation:	Inhalation - Rat LC50: >590 mg/m3/4H - [Details of toxic effects not reported other than lethal dose value.] (RTECS)
Ingestion:	Oral - Rat LDLo: 5 mL/kg - [Sense Organs and Special Senses (Olfaction) - effect, not otherwise specified Sense Organs and Special Senses (Eye) - effect, not otherwise specified Skin and Appendages - hair] (RTECS)

Polymeric Diphenylmethane Diisocyanate(pMDI) :

Eye:	Eye - Rabbit Standard Draize Test.: 100 mg [mild]
Skin:	Oral - Rat LD50 : 49 gm/kg [Behavioral - Somnolence (general depressed activity) Gastrointestinal - Hypermotility, diarrhea Nutritional and Gross Metabolic - Body temperature decrease] Administration onto the skin - Rabbit LD50 : >9400 mg/kg [Details of toxic effects not reported other than lethal dose value.]
Inhalation:	Inhalation - Rat LC50 : 490 mg/m3/4H [Sense Organs and Special Senses (Eye) - effect, not otherwise specified Lungs, Thorax, or Respiration - Respiratory depression Blood - Hemorrhage]
Ingestion:	Oral - Rat LD50 : 49 gm/kg [Behavioral - Somnolence (general depressed activity) Gastrointestinal - Hypermotility, diarrhea Nutritional and Gross Metabolic - Body temperature decrease]

Naptha Petroleum :

Skin:	Skin - Rabbit Standard Draize Test.: 500 uL/24H - [mild](RTECS) Skin - Rabbit LD50: >2 mL/kg - [Behavioral - somnolence (general depressed activity) Behavioral - changes in motor activity (specific assay) Behavioral - irritability](RTECS)
Inhalation:	Inhalation - Rat LC50: >590 mg/m3/4H - [Details of toxic effects not reported other than lethal dose value.] (RTECS)
Ingestion:	Oral - Rat LDLo: 5 mL/kg - [Sense Organs and Special Senses (Olfaction) - effect, not otherwise specified Sense Organs and Special Senses (Eye) - effect, not otherwise specified Skin and Appendages - hair] (RTECS)

Polymeric Diphenylmethane Diisocyanate(pMDI) :

Eye:	Eye - Rabbit Standard Draize Test.: 100 mg [mild]
Skin:	Oral - Rat LD50 : 49 gm/kg [Behavioral - Somnolence (general depressed activity) Gastrointestinal - Hypermotility, diarrhea Nutritional and Gross Metabolic - Body temperature decrease] Administration onto the skin - Rabbit LD50 : >9400 mg/kg [Details of toxic effects not reported other than lethal dose value.]
Inhalation:	Inhalation - Rat LC50 : 490 mg/m3/4H [Sense Organs and Special Senses (Eye) - effect, not otherwise specified Lungs, Thorax, or Respiration - Respiratory depression Blood - Hemorrhage]
Ingestion:	Oral - Rat LD50 : 49 gm/kg [Behavioral - Somnolence (general depressed activity) Gastrointestinal - Hypermotility, diarrhea Nutritional and Gross Metabolic - Body temperature decrease]

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Paint
DOT UN Number:	UN1263
DOT Hazard Class:	3
DOT Packing Group:	III

SECTION 15 - REGULATORY INFORMATION

Naptha Petroleum :

TSCA Inventory Status: Listed

Diphenylmethane Diisocyanate (MDI) mixed isomers :

TSCA Inventory Status: Listed

Canada DSL: Listed

Polymeric Diphenylmethane Diisocyanate(pMDI) :

TSCA Inventory Status: Listed

Naptha Petroleum :

TSCA Inventory Status: Listed

Diphenylmethane Diisocyanate (MDI) mixed isomers :

TSCA Inventory Status: Listed

Canada DSL: Listed

Polymeric Diphenylmethane Diisocyanate(pMDI) :

TSCA Inventory Status: Listed

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date:	December 02, 2008
MSDS Revision Date:	December 02, 2008

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**POR-15 Solvent**
Product Use/Restriction:	Cleaner Degreaser
Manufacturer Name:	POR-15, Inc.
Address:	P.O. Box 1235 Morristown, NJ 07962-1235
General Phone Number:	800-457-6715
Customer Service Phone Number:	973-887-1999
Technical Product Information:	800-457-6715
Emergency Phone Number:	1-800-457-6715
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
MSDS Format:	ANSI

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Isopropylbenzene	98-82-8	1 - 2 by weight	
Cumene	100-41-4	98 - 100 by weight	
1,2,4-Trimethylbenzene	95-63-6	30 - 42 by weight	
1,3,5-Trimethylbenzene	108-67-8	7 - 11 by weight	
Diethylbenzene	25340-17-4	1 - 5 by weight	
Xylene	1330-20-7	0.9 - 2.1 by weight	

SECTION 3 - HAZARDS IDENTIFICATION

Route of Exposure:

Potential Health Effects:

Eye:	Slightly irritating but does not injure eye tissue
Skin:	Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. Skin contact may aggravate an existing dermatitis condition.
Inhalation:	High vapor/aerosol concentrations (greater than approx. 1000 ppm) are irritating to the eyes and the respiratory tract, may causer headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
Ingestion:	Small amounts of this product aspirated in to the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Minimal toxicity.

Chronic Health Effects:

Signs/Symptoms:

Target Organs:

Aggravation of Pre-Existing Conditions:

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes occasionally lifting eyelids. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing thoroughly before re-use.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if necessary.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Note to Physicians:	
Other First Aid:	

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Combustible liquid. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back.
Flash Point:	42.2°C (108°F)
Flash Point Method:	TCC
Auto Ignition Temperature:	471°C (880°F) Approximate
Lower Flammable/Explosive Limit:	1.9

Upper Flammable/Explosive Limit:	12.6% @ 77 deg F
Fire Fighting Instructions:	Use water spray to cool fire exposed surfaces & to protect personnel.
Extinguishing Media:	Dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, sand.
Unsuitable Media:	
Protective Equipment:	As in any fire wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	
Hazardous Combustion Byproducts:	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:

Environmental Precautions:

Spill Cleanup Measures:

Other Precautions:

SECTION 7 - HANDLING and STORAGE

Handling:	Keep container closed. Handle and open containers with care.
Storage:	Store in a cool, well ventilated place away from incompatible materials. Do not handle or store near an open flame, heat, or other sources of ignition. Protect from direct sunlight.
Work Practices:	
Special Handling Procedures:	
Hygiene Practices:	

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.Use in well-ventilated areas only. Have adequate general exhaust.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Contact lenses should not be worn.
Skin Protection Description:	Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered to a minimum. & dbo_Section8.HandProtectionDescription
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, spray painting, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Eyewash and deluge shower should be available.

EXPOSURE GUIDELINES

Notes :

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Flash Point:	42.2°C (108°F)
Flash Point Method:	TCC
Auto Ignition Temperature:	471°C (880°F) Approximate

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:

Reactivity:

Hazardous Polymerization:

Conditions to Avoid:

Incompatible Materials:

Special Decomposition Products:

SECTION 11 - TOXICOLOGICAL INFORMATION

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Paint or Paint related material
DOT UN Number:	UN1263
DOT Hazard Class:	3
DOT Packing Group:	III

SECTION 15 - REGULATORY INFORMATION

SECTION 16 - ADDITIONAL INFORMATION

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Metal-Ready Rust Remover/PrePrimer**
Product Use/Restriction:	Cleaner Degreaser
Manufacturer Name:	POR-15, Inc.
Address:	P.O. Box 1235 Morristown, NJ 07962-1235
General Phone Number:	800-457-6715
Customer Service Phone Number:	973-887-1999
Technical Product Information:	800-457-6715
Emergency Phone Number:	1-800-457-6715
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
MSDS Format:	ANSI

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Phosphoric Acid	7664-38-2	- by weight	
Zinc Phosphate	7779-90-0	- by weight	
Octylphenoxy Polyethanol Ethanol Triphenol Methane	9036-19-5	- by weight	

SECTION 3 - HAZARDS IDENTIFICATION

Route of Exposure:	Skin, eyes
Potential Health Effects:	Acute: Not Applicable
Eye:	
Skin:	
Inhalation:	
Ingestion:	
Chronic Health Effects:	
Signs/Symptoms:	Not Applicable
Target Organs:	
Aggravation of Pre-Existing Conditions:	Not Applicable

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes occasionally lifting eyelids. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash contaminated clothing thoroughly before re-use.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention if necessary.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Note to Physicians:	
Other First Aid:	

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	
Flash Point:	Not Applicable
Flash Point Method:	
Auto Ignition Temperature:	
Lower Flammable/Explosive Limit:	Not Applicable
Upper Flammable/Explosive Limit:	Not Applicable
Fire Fighting Instructions:	Not Applicable
Extinguishing Media:	Use dry chemical, foam, carbon dioxide, water fog or other material suitable for surrounding materials.
Unsuitable Media:	
Protective Equipment:	As in any fire wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Not Applicable
Hazardous Combustion Byproducts:	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	
Environmental Precautions:	
Spill Cleanup Measures:	Flush with copious amounts of water.
Other Precautions:	

SECTION 7 - HANDLING and STORAGE

Handling:	Keep from freezing.
Storage:	
Work Practices:	
Special Handling Procedures:	
Hygiene Practices:	Not Applicable

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.Use in well-ventilated areas only. Have adequate general exhaust.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Contact lenses should not be worn.
Skin Protection Description:	Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered to a minimum. & dbo_Section8.HandProtectionDescription
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, spray painting, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Not Applicable

EXPOSURE GUIDELINES

Notes :

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Flash Point:	Not Applicable
Flash Point Method:	
Auto Ignition Temperature:	

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable
Reactivity:	
Hazardous Polymerization:	Will not occur, Not Applicable
Conditions to Avoid:	
Incompatible Materials:	Caustic materials
Special Decomposition Products:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Octylphenoxy Polyethanol Ethanol Triphenol Methane :

RTECS Number:	MD0907600
Carcinogenicity:	Not listed in IARC, NTP, or OSHA

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Paint or Paint related material
DOT UN Number:	UN3066
DOT Hazard Class:	8
DOT Packing Group:	III

SECTION 15 - REGULATORY INFORMATION

SECTION 16 - ADDITIONAL INFORMATION

Personnel Precautions:	
Environmental Precautions:	
Spill Cleanup Measures:	Flush with copious amounts of water.
Other Precautions:	

SECTION 7 - HANDLING and STORAGE

Handling:	Avoid freezing.
Storage:	
Work Practices:	
Special Handling Procedures:	
Hygiene Practices:	Not Applicable

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.Not Applicable
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. Contact lenses should not be worn.
Skin Protection Description:	Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered to a minimum. & dbo_Section8.HandProtectionDescription
Respiratory Protection:	Not Applicable
Other Protective:	Eyewash and deluge shower should be available.

EXPOSURE GUIDELINES

Notes :

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Flash Point:	No data
Flash Point Method:	T.O.C.
Auto Ignition Temperature:	

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable
Reactivity:	
Hazardous Polymerization:	Not Applicable
Conditions to Avoid:	
Incompatible Materials:	Acid materials
Special Decomposition Products:	

SECTION 11 - TOXICOLOGICAL INFORMATION

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Paint or Paint related material
DOT UN Number:	UN3066
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SECTION 15 - REGULATORY INFORMATION

SECTION 16 - ADDITIONAL INFORMATION