

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Factory Manifold Gray Heat Resistant Paint**
Product Use/Restriction: Hi Temp Paints
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 Revision Date: October 20, 2008
MSDS Format: ANSI

HMIS	
Health Hazard	2
Fire Hazard	2
Reactivity	0
Personal Protection	G

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Aluminum	7429-90-5	- by weight	
Iron Oxide	1309-37-1	- by weight	
Aliphatic hydrocarbon	64742-88-7	- by weight	

Notes: The last four potentially hazardous ingredients have been chemically reacted at high temp and are homogenically and ionically interdiffused to create an essentially insoluble pigment. This means that they are not present in the form of simple physical mixture.

SECTION 3 - HAZARDS IDENTIFICATION

Route of Exposure:
Potential Health Effects:
Eye: May cause severe irritation.
Skin: May cause irritation.
Inhalation: Excessive inhalation may cause irritation to nose, throat, lungs.
Ingestion: May be harmful if swallowed; irritation of mouth, pharynx, esophagus and stomach may develop following ingestion.
Signs/Symptoms: Headache, dizziness, nausea, respiratory tract irritation; may be an eye irritant & cause skin irritation.
Target Organs:
Aggravation of Pre-Existing Conditions: None Known

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. Give one or two glasses of water to drink and refer to medical personnel.
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: 246°C (475°F)
Lower Flammable/Explosive Limit: 0.77%
Upper Flammable/Explosive Limit: 6%
Fire Fighting Instructions:
Extinguishing Media: Foam, CO2, Dry Chemical, Sand.

Unsuitable Media:	
Protective Equipment:	Use of Self Contained Breathing Apparatus is recommended for fire fighters. Avoid spreading burning liquid with water for cooling purposes.
Unusual Fire Hazards:	Keep work areas free of hot metal surfaces and other sources of ignition. COMBUSTIBLE.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	
Environmental Precautions:	
Spill Cleanup Measures:	Provide ventilation and respiratory protection if required.
Other Precautions:	

SECTION 7 - HANDLING and STORAGE

Handling:	Keep away from heat, sparks, open flame; use with adequate ventilation. Avoid prolonged or repeated contact.
Storage:	Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Ideal storage temperature range for ease of handling is 50-81 deg F (10-27 deg C). Avoid contact with skin and eyes. Store in tightly closed container and protect from moisture and foreign 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. 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:	Self-contained breathing apparatus if threshold limit is exceeded. Eyewash and deluge shower should be available.

EXPOSURE GUIDELINES

Notes :

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Gray Color
Odor:	Specific Odor
Boiling Point:	350-385 °F
Melting Point:	Not Available
Specific Gravity:	1.1 - 1.3
Solubility:	Negligible
Vapor Density:	Heavier Than Air
Vapor Pressure:	3 mm Hg@68 °F
Flash Point:	42.2°C (108°F)
Flash Point Method:	TCC
Auto Ignition Temperature:	246°C (475°F)
VOC Content:	619 gm/liter

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions
Reactivity:	Non-reactive in water
Hazardous Polymerization:	None under normal conditions.
Conditions to Avoid:	Sparks, open flame, fire.
Incompatible Materials:	Oxidizing agents like bleach, hydrogen peroxide.
Special Decomposition Products:	

SECTION 11 - TOXICOLOGICAL INFORMATION

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

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 2
HMIS Fire Hazard: 2
HMIS Reactivity: 0
HMIS Personal Protection: G
MSDS Revision Date: October 20, 2008

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