
SECTION 1: IDENTIFICATION

Catalog No. (N/A)

Product Name: **POR-15 Engine Enamels**
Manufacturer Name: POR-15, Inc.
General Use: Enamel Paint
Product Description: Alkyd

Address: P.O. Box 1235
Morristown NJ 07962-1235

Email: support@por15.com

Business Phone: (800) 457-6715

Business Fax: (973) 887-8007

Emergency Phone: (973)-887-1999

For information

in North America, call: (800) 457-6715

CHEMTREC Numbers:

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies outside US, call INTERNATIONAL: (703)527-3887

Manufacturer MSDS Revision Date: 09/15/2005

Trade Names: POR-15 Engine Enamels

Product Codes: EE-500

Physical Description / Properties

Physical State/Appearance: Liquid
Vapor Density: Heavier than air
Flash Point: 62.8°C (145°F)
Boiling Point: 139 - 16°C (282 - 337°F)
Density: 8.1 pounds/gallon
Evaporation Point: Slower than ether
Percent Volatile: 43% By Volume
Volatile Organic Compound Content: 3.90 #/Gal
Molecular Formula: Mixture
Molecular Weight: Varies

Ingredients

Chemical Name	CAS#	Lower Percent	Upper Percent
Odorless Mineral Spirits	64741-65-7		
Mineral Spirits	8052-41-3		

[To Top of page](#)

SECTION 2 : HEALTH HAZARD INFORMATION

Catalog No.: (N/A)

Health Effects

Emergency Overview: Hazardous according to criteria of Worksafe Australia

Applies to All Ingredients:

First Aid

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.

Odorless Mineral Spirits :

Mineral Spirits :

Titanium dioxide :

[To Top of page](#)

SECTION 3 : PRECAUTIONS FOR USE

Catalog No.: (N/A)

Engineering Controls / Personal Protection / Flammability

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 System:	Use in well-ventilated areas only. Have adequate general exhaust.
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.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
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.

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 Standards

Ingredient Guidelines

Ingredient: Mineral Spirits

Guideline Type:	OSHA PEL-TWA
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	100 ppm
Guideline Type:	Australian Exposure Standard
	Ingredient: <u>Odorless Mineral Spirits</u>
Guideline Type:	OSHA PEL-TWA
Guideline Type:	ACGIH TLV-TWA
Guideline Type:	Australian Exposure Standard
	Ingredient: <u>Titanium dioxide</u>
Guideline Type:	OSHA PEL-TWA
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	10 mg/m3
Guideline Type:	Australian Exposure Standard

[To Top of page](#)

SECTION 4 : SAFE HANDLING INFORMATION

Catalog No.: (N/A)

Storage And Transport

DOT Shipping Name:	Non-Regulated
DOT Hazard Class:	Non-Regulated

Spills And Disposal

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines. Triple-rinse drum prior to offering for recycle.
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Fire / Explosion Hazard

Fire:	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)
Extinguishing Media:	Dry chemical (e.g. monoammonium phosphate, potassium sulfate, and potassium chloride), carbon dioxide, high expansion (proteinic) chemical foam, sand.
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 preferable.
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.

[To Top of page](#)

OTHER INFORMATION

Catalog No.: (N/A)

Odorless Mineral Spirits :

Mineral Spirits :

Titanium dioxide :

Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet. We welcome any additional information about our products that customers have obtained by personal experience.

References:

1. American Chemical Society, STN Easy Online Database
2. Brethericks Reactive Chemical Hazards Database. Version 2.
3. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Eighth Report on Carcinogens, 1997.
9. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
10. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
11. Sax Dangerous Properties of Industrial Materials. Tenth Edition.

12. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
13. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2001.

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[To Top of page](#)