Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name:	High Performance Industrial Enamel Low VOC Topocats	Revision Date:	05/12/2003
Identification Number:	3423402, 3425402, 3427402, 3433402, 3438402, 3444402, 3445402, 3446402, 3455402, 3456402, 3464402, 3465402, 3470402, 3471402, 3477402, 3478402, 3479300, 3479402, 3482402, 3486402, 3492300, 3492402		
Product Use/Class:	Topcoats/Low VOC Alkyd		
Supplier:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer:	Department, Regulatory		

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Tall Oil Alkyd Resin	PROPRIETARY	50.0	N.E.	N.E.	N.E.	N.E.
Tall Oil Alkyd Resin	PROPRIETARY	45.0	N.E.	N.E.	N.E.	N.E.
Stoddard Solvents	8052-41-3	35.0	100 PPM	N.E.	500 PPM	N.E.
Titanium Dioxide	13463-67-7	25.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Tremolite (nonasbestiform)	14567-73-8	20.0	N.E.	N.E.	N.E.	N.E.
Magnesium Silicate	14807-96-6	15.0	10 mg/m3	N.E.	15 mg/m3	N.E.
Serpentine	12135-86-3	15.0	N.E.	N.E.	N.E.	N.E.
Alkyd Resin	PROPRIETARY	10.0	N.E.	N.E.	N.E.	N.E.
Pigment Orange 5	3468-63-1	5.0	N.E.	N.E.	5 mg/m3 respirable dust	N.E.
Pigment Red 170	2786-76-7	5.0	N.E.	N.E.	N.E.	N.E.
Pigment Orange 34	15793-73-4	5.0	2 mg/m3	N.E.	5 mg/m3	N.E.
Pigment Yellow 73	13515-40-7	5.0	2 mg/m3	N.E.	2 mg/m3	N.E.
Pigment Black 7	1333-86-4	5.0	3.5 mg/m3	N.E.	3.5 mg/m3	N.E.
Anthophylite (nonasbestiform)	17068-78-9	5.0	N.E.	N.E.	N.E.	N.E.
Organoclay	MIXTURE	5.0	N.E.	N.E.	N.E.	N.E.
Organoclay	MIXTURE	5.0	N.E.	N.E.	N.E.	N.E.
Pigment Green 7	1328-53-6	5.0	N.E.	N.E.	N.E.	N.E.
Xylene	1330-20-7	5.0	100 PPM	150 PPM	100 PPM	N.E.
Long Oil Alkyd Resin	PROPRIETARY	5.0	N.E.	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Combustible liquid and vapor. Suspect cancer hazard. Harmful if swallowed. Causes eye irritation. Vapors irritating to eyes and respiratory tract.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation.

Effects Of Overexposure - Inhalation: High vapor concentrations are irritating to the eyes, nose, throat and lungs. May cause headaches and dizziness. Harmful if inhaled.

Effects Of Overexposure - Ingestion: Aspiration hazard if swallowed; can enter lungs and cause damage. Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Suspect cancer hazard--contains material which may cause cancer. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and nervous system damage.
Contains carbon black. Chronic inflammation, lung fibrosis, and lung tumors have been observed in some rats experimentally exposed for long periods of time to excessive concentrations of carbon black and several insoluble fine dust particles. Tumors have not been observed in other animal species (i.e., mouse and hampster) under similar circumstances and study conditions. Epidemiological studies of North American workers show no evidence of clinically significant adverse health effects due to occupational exposure to carbon black.
Carbon black is listed as a Group 2B-"Possibly carcinogenic to humans" by IARC and is proposed to be listed as A4- "not classified as a human carcinogen" by the American Conference of Govermental Industrial Hygienists. Significant exposure is not anticipated during brush application or drying. Risk of overexposure depends on duration and level of exposure to dust from repeated sanding of surfaces or spray mist and the actual concentration of carbon black in the formula.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point: 104 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 0.6 %
UPPER EXPLOSIVE LIMIT : 6.6 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Keep containers tightly closed.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes. Avoid breathing vapor or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A NIOSH/MSHA 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, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use impervious gloves to prevent skin contact and absorption of this material through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	276 - 383 F	Vapor Density:	Heavier than air
Odor:	Solvent Like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Slower than Ether
Solubility in H2O:	Slight		
Freeze Point:	ND	Specific Gravity:	1.1000
Vapor Pressure:		PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid all possible sources of ignition.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name	LD50	LC50
Tall Oil Alkyd Resin	N.D.	N.D.
Tall Oil Alkyd Resin	N.D.	N.D.
Stoddard Solvents	N.D.	N.D.
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Tremolite (nonasbestiform)	N.D.	N.D.
Magnesium Silicate	N.D.	TCLo:11mg/m3 inh.
Serpentine	N.D.	N.D.
Alkyd Resin	N.D.	N.D.
Pigment Orange 5	>10,000 mg/kg (ORAL, RAT)	N.D.
Pigment Red 170	<10000 mg/kg (ORAL, RAT)	N.D.
Pigment Orange 34	15000 mg/kg (ORAL, RAT)	N.D.
Pigment Yellow 73	N.D.	N.D.
Pigment Black 7	>8000 mg/kg (ORAL, RAT)	N.D.
Anthophylite (nonasbestiform)	N.D.	N.D.
Organoclay	N.D.	N.D.
Organoclay	N.D.	N.D.
Pigment Green 7	>5000 mg/kg (ORAL, RAT)	N.D.
Xylene	N.D.	N.D.
Long Oil Alkyd Resin	N.D.	N.D.

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Paint	Packing Group:	III
DOT Technical Name:	---	Hazard Subclass:	---
DOT Hazard Class:	3	Resp. Guide Page:	127
DOT UN/NA Number:	UN 1263		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Pigment Green 7	1328-53-6
Xylene	1330-20-7

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

none

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number
Alkyd Resin	PROPRIETARY

Pigment Red 3	2425-85-6
Calcium Carbonate	1317-65-3
Pigment Yellow 74	6358-31-2
Yellow Iron Oxide	51274-00-1
Iron Oxide	1309-37-1

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS Number
Microcrystalline Silica	14808-60-7
Beryllium Compounds	NOT SPECIFIED
Nickel Compounds	NOT SPECIFIED
Chromium (Hexavalent) Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED
Arsenic Compounds	NOT SPECIFIED
Benzene	71-43-2
Lead Compounds	NOT SPECIFIED

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS Number
Toluene	108-88-3
Ethylene Glycol Monoethyl Ether	110-80-5
Cadmium Compounds	NOT SPECIFIED
Arsenic Compounds	NOT SPECIFIED
Benzene	71-43-2
Lead Compounds	NOT SPECIFIED
Mercury Compounds	NOT SPECIFIED

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: B3 D2B

Section 16 - Other Information

HMIS Ratings:

Health: 2* Flammability: 2 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: 340 Max

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.