


**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

C08576

**Product Name:** 554598 Orange Enamel  
**Manufacturer MSDS.:** C08576  
**Manufacturer Name:** Sherwin-Williams Company  
**Address:** 101 Prospect Avenue N.W.  
 Cleveland, OH 44115  
  
**EMERGENCY TELEPHONE NO.:** (216) 566-2917  
  
**Business Phone:** (216) 566-2902  
**Revision Date:** 09-JUN-04  
 01 00  
**Product Codes:** C08576

**HMIS**

HEALTH	2
FIRE	4
REACTIVITY	0
PPE	

To Top of page 

**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

C08576

Ingredient Name	CAS#	Ingredient Percent
Propane OSHA PEL TWA: 1000 ppm ACGIH TLV TWA: 2500 ppm VAPOR PRESSURE: 760 mm	74-98-6	14% by Weight
Butane OSHA PEL TWA: 800 ppm ACGIH TLV TWA: 800 ppm VAPOR PRESSURE: 760 mm	106-97-8	13% by Weight
Toluene OSHA PEL TWA: 100 ppm (Skin) OSHA STEL/Ceiling: 150 ppm (Skin) ACGIH TLV TWA: 50 ppm (Skin) VAPOR PRESSURE: 22 mm	108-88-3	20% by Weight
Ethylbenzene	100-41-4	0.1% by Weight


OSHA PEL TWA: 100 ppm  
OSHA STEL/Ceiling: 125 ppm STEL  
ACGIH TLV TWA: 100 ppm  
ACGIH STEL/Ceiling: 125 ppm STEL  
VAPOR PRESSURE: 7.1 mm

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Acetone 67-64-1 33% by Weight  
OSHA PEL TWA: 1000 ppm  
ACGIH TLV TWA: 500 ppm  
ACGIH STEL/Ceiling: STEL: 750 ppm  
VAPOR PRESSURE: 180 mm

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Ethyl 3-Ethoxypropionate 763-69-9 4% by Weight  
OSHA PEL TWA: Not Available  
ACGIH TLV TWA: Not Available  
VAPOR PRESSURE: 1.11 mm

To Top of page 

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### SECTION 3 : HAZARDS IDENTIFICATION

C08576

#### **Applies to All Ingredients :**

**Route of Exposure:** INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

**Potential Health Effects:**

**Eye Contact:** Irritation.

**Skin Contact:** Prolonged or repeated exposure may cause irritation.

**Inhalation:** Irritation of the upper respiratory system.  
May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**Carcinogenicity:** CANCER INFORMATION: For complete discussion of toxicology data refer to Section 11.

**Signs/Symptoms:** Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.  
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**Aggravation of Pre-Existing Conditions:** None generally recognized.

To Top of page 

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### SECTION 4 : FIRST AID MEASURES

C08576

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and laundry before re-use.

**Inhalation:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**Ingestion:** Do not induce vomiting.  
Get medical attention immediately.

To Top of page 

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### SECTION 5 : FIRE FIGHTING MEASURES

C08576

**Flash Point:** Propellant < 0 deg F

**Upper Flammable or Explosive Limit:** 12.8

**Lower Flammable or Explosive Limit:** 1.0

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, Foam.

**Fire Fighting Instructions:** Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Unusual Fire Hazards:**

Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

To Top of page 


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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

C08576

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**Spill Cleanup Measures:** Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

To Top of page 

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**SECTION 7 : HANDLING and STORAGE**

C08576

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**Handling:** Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120 deg F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

**Storage:** STORAGE CATEGORY: Not Available

To Top of page 

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**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

C08576

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**Ventilation System:** Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

**Personal Protective Equipment Routine Handling:** PRECAUTIONS TO BE TAKEN IN USE Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.


This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**Hand Protection Description:** PROTECTIVE GLOVES: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

**Eye/Face Protection:** Wear safety spectacles with unperforated sideshields.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

OTHER PRECAUTIONS: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

To Top of page 

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**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

C08576

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**pH:** 7.0  
**Vapor Density:** Heavier than air

Boiling Point: < 0 - 342 deg F; < -18 - 172 deg C  
Melting Point: Not Available  
Solubility: IN WATER: Not Applicable  
Specific Gravity: 0.75  
Evaporation Point: Faster than ether  
Percent Volatile: VOLUME: 90%  
Volatile Organic Compound  
Content: (VOC Theoretical):  
Volatile Weight 51.84% Less Water and Federally Exempt Solvents  
PRODUCT WEIGHT: 6.20 lb/gal 743 g/l

To Top of page 


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## SECTION 10 : STABILITY and REACTIVITY

C08576

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Chemical Stability: Stable  
Conditions to Avoid: None known.  
Incompatibilities with Other  
Materials: None known.  
Hazardous Polymerization: Will not occur  
Hazardous Decomposition  
Products: By fire: Carbon Dioxide, Carbon Monoxide

To Top of page 

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## SECTION 11 : TOXICOLOGICAL INFORMATION

C08576

### Applies to all ingredients:

Chronic Effects: Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

### Propane :

Acute Health Effects: LD50 RAT: Not Available  
Inhalation Effects: LC50 RAT 4HR: Not Available

### Butane :

Acute Health Effects: LD50 RAT: Not Available  
Inhalation Effects: LC50 RAT 4HR: Not Available

### Toluene :

Acute Health Effects: LD50 RAT: 5000 mg/kg  
Inhalation Effects: LC50 RAT 4HR: 4000 ppm

### Ethylbenzene :


Acute Health Effects: LD50 RAT: 3500 mg/kg  
Inhalation Effects: LC50 RAT 4HR: Not Available  
Chronic Effects: Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

### Acetone :

Acute Health Effects: LD50 RAT: 5800 mg/kg  
Inhalation Effects: LC50 RAT 4HR: Not Available

### Ethyl 3-Ethoxypropionate :

Acute Health Effects: LD50 RAT: 5000 mg/kg  
Inhalation Effects: LC50 RAT 4HR: Not Available

To Top of page 

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## SECTION 12 : ECOLOGICAL INFORMATION

C08576

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Ecotoxicity: No data available.


**SECTION 13 : DISPOSAL CONSIDERATIONS**

C08576

**Waste Disposal:** Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**RCRA Hazard Class:** Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

**EPA Waste Number:** Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

To Top of page **SECTION 14 : TRANSPORT INFORMATION**

C08576

**Transportation Information:** No data available.

To Top of page **SECTION 15 : REGULATORY INFORMATION**

C08576

**Applies to All Ingredients :**

**TSCA 8(b): Inventory Status:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.


**State:** CALIFORNIA PROPOSITION 65;  
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Toluene :**

**Section 313 Toxic Release Form:** SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION:  
CHEMICAL/COMPOUND: Toluene  
CAS No.: 108-88-3  
% by WT: 20%

**Ethylbenzene :**

**Section 313 Toxic Release Form:** SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION:  
CHEMICAL/COMPOUND: Ethylbenzene  
CAS No.: 100-41-4  
% by WT: 0.1%

To Top of page **SECTION 16 : ADDITIONAL INFORMATION**

C08576

**HMIS:**

**Health Hazard:** 2\*

**Fire Hazard:** 4

**Reactivity:** 0

**MSDS Revision Date:** 09-JUN-04

**Disclaimer:**

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

To Top of page 