

# MATERIAL SAFETY DATA SHEET

F88HXL16694-4320  
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DATE OF PREPARATION  
Jan 5, 2009

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NUMBER**

F88HXL16694-4320

**PRODUCT NAME**

High Solids Acrylic Enamel, SW-6479 DRIZZLE/ H.S.ACRYLIC

**MANUFACTURER'S NAME**

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

**Telephone Numbers and Websites**

|                                  |                |
|----------------------------------|----------------|
| <b>Regulatory Information</b>    | (216) 566-2902 |
| <b>Medical Emergency</b>         | (216) 566-2917 |
| <b>Transportation Emergency*</b> | (800) 424-9300 |

*\*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)*

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number | Ingredient                    | Units                       | Vapor Pressure |
|-------------|------------|-------------------------------|-----------------------------|----------------|
| 1           | 64742-89-8 | <b>V. M. &amp; P. Naphtha</b> |                             |                |
|             |            | ACGIH TLV                     | 300 PPM                     | 12 mm          |
|             |            | OSHA PEL                      | 300 PPM                     |                |
|             |            | OSHA PEL                      | 400 PPM STEL                |                |
| 2           | 100-42-5   | <b>Styrene</b>                |                             |                |
|             |            | ACGIH TLV                     | 20 PPM                      | 4.3 mm         |
|             |            | ACGIH TLV                     | 40 PPM STEL                 |                |
|             |            | OSHA PEL                      | 100 PPM                     |                |
|             |            | OSHA PEL                      | 215 PPM CEILING             |                |
| 5           | 111-76-2   | <b>2-Butoxyethanol</b>        |                             |                |
|             |            | ACGIH TLV                     | 20 PPM                      | 0.88 mm        |
|             |            | OSHA PEL                      | 25 PPM                      |                |
| 1           | 78-93-3    | <b>Methyl Ethyl Ketone</b>    |                             |                |
|             |            | ACGIH TLV                     | 200 PPM                     | 70 mm          |
|             |            | ACGIH TLV                     | 300 PPM STEL                |                |
|             |            | OSHA PEL                      | 200 PPM                     |                |
|             |            | OSHA PEL                      | 300 PPM STEL                |                |
| 21          | 110-43-0   | <b>Methyl n-Amyl Ketone</b>   |                             |                |
|             |            | ACGIH TLV                     | 50 PPM                      | 3.855 mm       |
|             |            | OSHA PEL                      | 100 PPM                     |                |
| 1           | 110-19-0   | <b>Isobutyl Acetate</b>       |                             |                |
|             |            | ACGIH TLV                     | 150 PPM                     | 12.5 mm        |
|             |            | OSHA PEL                      | 150 PPM                     |                |
| 2           | 88230-35-7 | <b>Oxo-Hexyl Acetate</b>      |                             |                |
|             |            | ACGIH TLV                     | Not Available               | 0.7 mm         |
|             |            | OSHA PEL                      | Not Available               |                |
| 22          | 13463-67-7 | <b>Titanium Dioxide</b>       |                             |                |
|             |            | ACGIH TLV                     | 10 mg/m3 as Dust            |                |
|             |            | OSHA PEL                      | 10 mg/m3 Total Dust         |                |
|             |            | OSHA PEL                      | 5 mg/m3 Respirable Fraction |                |

## SECTION 3 — HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE**

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

**HMIS Codes**

|                     |    |
|---------------------|----|
| <b>Health</b>       | 2* |
| <b>Flammability</b> | 3  |
| <b>Reactivity</b>   | 2  |

**EFFECTS OF OVEREXPOSURE****EYES:** Irritation.**SKIN:** 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.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, blood forming and reproductive systems.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

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.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

None generally recognized.

**CANCER INFORMATION**

For complete discussion of toxicology data refer to Section 11.

**SECTION 4 — FIRST AID MEASURES****EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.**SKIN:** Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and launder before re-use.**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.**INGESTION:** Do not induce vomiting. Get medical attention immediately.**SECTION 5 — FIRE FIGHTING MEASURES****FLASH POINT**

63° F TCC

**LEL**

0.9

**UEL**

10.6

**FLAMMABILITY CLASSIFICATION**

RED LABEL -- Flammable, Flash below 100° F (38 °C)

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Closed 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.

**SPECIAL FIRE FIGHTING PROCEDURES**

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.

**SECTION 6 — ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

**SECTION 7 — HANDLING AND STORAGE****STORAGE CATEGORY**

DOL Storage Class IB

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.

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.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

**SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION****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).

**VENTILATION**

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.

**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.

**PROTECTIVE GLOVES**

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

**EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

**OTHER PRECAUTIONS**

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

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

|   |                   |  |
|---|-------------------|--|
| <b>PRODUCT WEIGHT</b>   | 9.64 lb/gal       | 1155 g/l                                 |
| <b>SPECIFIC GRAVITY</b>   | 1.16              |  |
| <b>BOILING POINT</b>  | 174 - 349° F      | 78 - 176° C                              |
| <b>MELTING POINT</b>  | Not Available     |  |
| <b>VOLATILE VOLUME</b>  | 49%               |  |
| <b>EVAPORATION RATE</b>   | Slower than ether |  |
| <b>VAPOR DENSITY</b>  | Heavier than air  |  |
| <b>SOLUBILITY IN WATER</b>  | N.A.              |  |
| <b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b> |                   |  |
| 3.41lb/gal  | 408g/l            | Less Water and Federally Exempt Solvents |
| 3.41lb/gal  | 408g/l            | Emitted VOC                              |

**SECTION 10 — STABILITY AND REACTIVITY****STABILITY — Stable****CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION****CHRONIC HEALTH HAZARDS**

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Styrene is listed by IARC as a possible human carcinogen based on "inadequate evidence" in humans, "limited evidence" in animals, and the fact that it is metabolized to styrene oxide, which has been shown to induce cancer in animals. However, studies of humans exposed for long periods of time to styrene have not demonstrated any carcinogenic effect.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

## TOXICOLOGY DATA

| CAS No.    | Ingredient Name      |                      |     |                                |
|------------|----------------------|----------------------|-----|--------------------------------|
| 64742-89-8 | V. M. & P. Naphtha   | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>Not Available |
| 100-42-5   | Styrene              | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>5000 mg/kg    |
| 111-76-2   | 2-Butoxyethanol      | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>470 mg/kg     |
| 78-93-3    | Methyl Ethyl Ketone  | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>2740 mg/kg    |
| 110-43-0   | Methyl n-Amyl Ketone | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>1670 mg/kg    |
| 110-19-0   | Isobutyl Acetate     | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>13400 mg/kg   |
| 88230-35-7 | Oxo-Hexyl Acetate    | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>Not Available |
| 13463-67-7 | Titanium Dioxide     | LC50 RAT<br>LD50 RAT | 4HR | Not Available<br>Not Available |

## SECTION 12 — ECOLOGICAL INFORMATION

## ECOTOXICOLOGICAL INFORMATION

No data available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

## WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## SECTION 14 — TRANSPORT INFORMATION

## US Ground (DOT)

1 Gallon and Less may be Classed as CONSUMER COMMODITY, ORM-D  
Larger Containers are Regulated as:  
UN1263, PAINT, 3, PG II, (ERG#128)

## Bulk Containers may be Shipped as:

UN1263, PAINT, 3, PG II, (ERG#128)

## Canada (TDG)

UN1263, PAINT, CLASS 3, PG II, (ERG#128)

## IMO

UN1263, PAINT, CLASS 3, PG II, (17 C c.c.), EmS F-E, S-E

## SECTION 15 — REGULATORY INFORMATION

## SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

| CAS No.  | CHEMICAL/COMPOUND | % by WT | % Element |
|----------|-------------------|---------|-----------|
| 100-42-5 | Styrene           | 2       |           |
|          | Glycol Ethers     | 5       |           |

## CALIFORNIA PROPOSITION 65

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

## TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## SECTION 16 — OTHER 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.

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.