

SPRAY PAINT 07/5005768

140 Series

MATERIAL SAFETY DATA SHEET

88

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, Ohio 44115
DATE OF PREPARATION
4-Apr-88
EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

Section I -- PRODUCT IDENTIFICATION

PRODUCT TYPE	HEALTH
140-Aerosol Coatings	2
PRODUCT NUMBERS AND COLORS	FLAMMABILITY
See attached tables	4
PRODUCT CLASS	REACTIVITY
Aerosol Coating	0

Section II -- HAZARDOUS INGREDIENTS

CAS NO.	INGREDIENT	ACQTH-PEL	OSHA-PEL	UNITS	V.P.
74-98-6	Propane (Propellant)	1000	1000	PPM	760.0
75-28-5	2-Methylpropane (Propellant)	1000	1000	PPM	760.0
64742-48-9	V. M. & P. Naphtha.	300	300	PPM	12.0
64742-89-8	Lt. Aliphatic Hydrocarbon Solvent.	100	100	PPM	5.9
64742-47-8	Mineral Spirits.	100	500	PPM	2.0
64742-47-8	Mineral Spirits (Odorless).	200	500	PPM	1.0
75-09-2	Methylene Chloride.	100	500	PPM	420.0
108-88-3	Toluene.	100	200	PPM	22.0
100-41-4	Ethylbenzene	100	100	PPM	7.1
1330-20-7	Xylene.	100	100	PPM	5.9
64742-95-6	Light Aromatic Naphtha	100	100	PPM	3.8
67-56-1	Methanol	200	200	PPM	92.0
64-17-5	Ethanol	1000	1000	PPM	44.0
67-63-0	2-Propanol	400	400	PPM	33.0
71-36-3	1-Butanol	50	100	PPM	5.5
78-92-2	2-Butanol	100	150	PPM	0.6
111-76-2	2-Butoxyethanol	25 (Skin)	50	PPM	0.6
67-64-1	Acetone.	750	1000	PPM	180.0
78-93-3	Methyl Ethyl Ketone.	200	200	PPM	70.0
763-69-9	Ethyl 3-Ethoxypropionate.	Not Established	150	PPM	1.1
110-19-0	Isobutyl Acetate.	2	150	Mg/H3 as Dust	12.5
14807-96-6	Talc	Not Established	as Dust		
13463-67-7	Titanium Dioxide.				

-- For specific hazardous ingredients in each product, see attached tables --

Section III -- PHYSICAL DATA

EVAPORATION RATE	VAPOR DENSITY
-- Slower than Ether	-- Heavier than Air
BOILING RANGE	VOLATILE VOLUME
<0 - 325 F	>75 %

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION	FLASH POINT	LEL	UEL
RED LABEL -- Extremely Flammable	<0 F PHCC		0.7
EXTINGUISHING MEDIA			
Carbon Dioxide, Dry Chemical, Foam			

Continued on page 2

140 Series

140-Aerosol Coatings

page 2

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. 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 V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Overexposure to Methylene Chloride can raise the level of carbon monoxide in the blood.

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

Cardiovascular problems may be aggravated by overexposure to Methylene Chloride.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. Remove contaminated clothing and launder before re-use.

If IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

Female rats and mice exposed to high levels of Methylene Chloride by inhalation in lifetime studies have developed cancer. There is no evidence to date that Methylene Chloride causes cancer in humans.

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

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

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

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

Section VI -- REACTIVITY DATA

STABILITY -- Stable

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride

HAZARDOUS POLYMERIZATION -- Will Not Occur

Continued on page 3

140- Aerosol Coatings

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

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.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and local regulations regarding pollution.

Section VII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates, such as titanium dioxide or calcium carbonate (see ACGIH TLV List, Preface and Appendix D), which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 0.5 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in section II 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 II.

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 II.
EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY -- 1A

DOE DISKES CANNOT BE TAKEN IN HANDLING AND STORING PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

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

contents are extremely flammable, 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 NPPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above

120F. 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.

OTHER PRECAUTIONS

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

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.

Lacquer

Product Number & Color	X by weight Hazardous Ingredients			140-0936 Black	140-0951 White	140-0969 Clear Acrylic	140-0977 Black
	Propane (Propellant)						
Propane (Propellant)	15	15	15	15	15	15	15
2-Methylpropane (Propellant)	0	0	15	0	15	0	0
V. M. & P. Naphtha	<5	<5	0	0	0	0	0
Lt. Aliphatic HC Solvent.	<5	<5	0	0	0	0	0
Methylene Chloride.	15	70	25	20	20	20	20
Toluene.	<5	<5	30	0	0	0	0
Xylene.	<5	<5	0	0	0	0	0
Methanol	<5	0	0	0	0	0	0
Ethanol	0	<5	0	0	0	0	0
2-Butanol	<5	<5	0	<5	<5	<5	<5
2-Butoxyethanol	0	<5	0	0	0	0	0
Acetone.	25	20	10	20	20	20	20
Methyl Ethyl Ketone.	15	15	0	10	10	10	10
Ethyl 1-Ethoxypropionate.	<5	<5	<5	<5	<5	<5	<5
Isobutyl Acetate.	<5	<5	0	10	10	10	10
Talc	0	0	0	0	0	0	0
Titanium Dioxide.	0	<5	0	0	0	0	0

Polyurethane Clear
Spray Varnish

Product Number & Color	140-0829 Clear Gloss	140-0837 Clear Satin
Product Number & Color		
Propane (Propellant)	10	10
2-Methylpropane (Propellant)	10	10
Mineral Spirits	20	0
Mineral Spirits (Odorless).	0	20
Methylene Chloride.	30	25
Light Aromatic Naphtha.	<5	<5
Acetone.	15	0
Methyl Ethyl Ketone.	0	15

Hi-Heat Spray Enamel

Product Number & Color	140-0910 Black	140-0928 Aluminum
Product Number & Color		
Propane (Propellant)	15	15
2-Methylpropane (Propellant)	0	15
Methylene Chloride.	35	30
Toluene.	5	35
Xylene.	5	0
Light Aromatic Naphtha.	<5	0
1-Butanol	<5	0
Methyl Ethyl Ketone.	20	0
Isobutyl Acetate.	<5	0
Talc	5	0

Appliance Epoxy Spray Enamel

Product Number & Color	140-0845 Almond	140-0852 Harvest	140-0878 Appliance White	140-0886 Copper	140-0894 Avocado
Product Number & Color					
Propane (Propellant)	15	15	15	15	15
2-Methylpropane (Propellant)	15	15	15	15	15
V. H. & P. Naphtha	0	<5	0	<5	<5
Methylene Chloride.	15	15	15	20	15
Toluene.	<5	<5	<5	<5	<5
Xylene.	10	10	10	10	10
2-Butoxyethanol	<5	<5	<5	<5	<5
Acetone.	10	10	10	0	10
Methyl Ethyl Ketone.	5	5	5	10	5
Ethyl 3-Ethoxypropionate.	<5	<5	<5	<5	<5
Titanium Dioxide.	10	<5	10	0	<5

SUPERACRYLIC Spray Enamel

Product Number & Color	140-0639 Ebony	140-0647 Black Pearl	140-0654 Shiny White	140-0662 Snowflake	140-0670 Really Red	140-0688 Royal Navy	140-0696 Emerald Green	140-0704 Top Banana	140-0712 Pineapple	140-0720 Midnight Blue	140-0738 Almond	140-0746 Bisquit	140-0753 Chocolate Chip	140-0761 Terra Cotta	140-0779 Gold	140-0795 Silver	140-0803 Perfectly Clear	140-0811 Orange Peel
Product Number & Color																		
Propane (Propellant)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
2-Methylpropane (Propellant)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Methylene Chloride.	25	15	10	15	25	10	20	15	15	20	10	15	20	20	30	20	25	20
Toluene.	0	5	5	<5	0	15	0	10	5	20	5	15	0	15	30	40	30	0
Ethylbenzene.	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xylene.	20	20	15	10	20	10	20	20	10	10	20	10	20	10	<5	0	0	20
Light Aromatic Naphtha.	0	0	0	0	<5	0	<5	0	0	0	<5	0	<5	0	0	0	0	<5
Acetone.	0	0	0	0	0	0	0	10	0	10	0	0	0	0	0	0	10	0
Methyl Ethyl Ketone.	15	15	10	15	10	10	15	0	15	0	10	15	10	15	0	0	0	10
Ethyl 3-Ethoxypropionate.	<5	<5	<5	<5	0	<5	0	<5	<5	<5	0	<5	0	<5	0	0	<5	0
Talc	0	<5	0	<5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Titanium Dioxide.	0	0	10	5	0	<5	0	5	10	<5	10	5	0	0	0	0	0	0

Spray Enamel

Product Number & Color	140-0019	140-0027	140-0035	140-0043	140-0050	140-0068	140-0076	140-0084	140-0092	140-0464	140-0472	140-0480
X by weight Hazardous Ingredients	Black	Flat Black	Appliance White	Bright Aluminum	Red	Blue	Green	Yellow	Brown	Clear Acrylic	Metal Primer	Flat White
Propane (Propellant)	15	15	15	15	15	15	15	15	15	15	15	15
2-Methylpropane (Propellant)	15	15	15	15	15	15	15	15	15	15	15	15
Methylene Chloride.	0	0	0	20	0	0	0	0	0	0	0	0
Toluene.	10	5	10	40	0	10	0	0	5	30	15	5
Ethylbenzene.	0	0	0	0	0	0	0	0	0	0	0	5
Xylene.	10	10	10	0	25	5	25	20	15	0	0	5
Light Aromatic Naphtha.	0	<5	0	0	0	0	0	0	0	0	0	0
2-Propanol	0	0	0	0	0	0	0	0	0	0	<5	0
Acetone.	35	45	35	0	30	30	30	25	25	35	40	40
Methyl Ethyl Ketone.	0	0	0	0	10	15	10	10	15	0	0	0
Ethyl 3-ethoxypropionate.	<5	0	<5	0	0	<5	0	0	0	<5	0	<5
Isobutyl Acetate.	0	0	0	0	0	0	0	0	0	0	<5	0
Talc	0	<5	0	0	0	0	0	0	0	0	5	<5
Titanium Dioxide.	0	0	5	0	0	<5	0	<5	0	0	<5	<5

SUPERACRYLIC* Controls Rust Spray Enamel

Product Number & Color	140-0506	140-0514	140-0522	140-0530	140-0548	140-0555	140-0563	140-0571	140-0589	140-0597	140-0613	140-0621
X by weight Hazardous Ingredients	Gloss Black	Flat Black	Appliance White	Chrome Aluminum	Bl-Visib Red	Federal Blue	Cocoa Brown	Sun Yellow	Primer Red	Flat White	Primer Gray	Machinery Gray
Propane (Propellant)	15	15	15	15	15	15	15	15	15	15	15	15
2-Methylpropane (Propellant)	15	15	15	15	15	15	15	15	0	15	0	15
Mineral Spirits	0	0	0	0	0	0	0	0	<5	0	<5	0
Methylene Chloride.	25	15	10	20	25	10	20	15	0	15	0	15
Toluene.	0	5	5	40	0	15	0	10	0	<5	0	10
Ethylbenzene.	0	0	0	0	0	0	0	0	0	10	0	0
Xylene.	20	20	15	0	20	10	20	20	15	10	15	20
Light Aromatic Naphtha.	0	0	0	0	<5	0	<5	0	<5	0	<5	<5
Acetone.	0	0	0	0	0	0	0	10	25	0	35	10
Methyl Ethyl Ketone.	15	15	10	0	10	10	10	0	15	15	10	0
Ethyl 3-ethoxypropionate.	<5	<5	<5	0	0	<5	0	<5	0	<5	<5	0
Talc	0	<5	0	0	0	0	0	0	<5	<5	<5	<5
Titanium Dioxide.	0	0	10	0	0	<5	0	5	0	5	<5	<5