

H-3
K-3
R

MATERIAL SAFETY DATA SHEET

DIVERSIFIED BRANDS
SHERWIN-WILLIAMS
DIVERSIFIED BRANDS NC
31500 SOLON ROAD
SOLON, OH 44139

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(800) 204-8767

DATE OF PREPARATION
13 - AUG- 97
1997, The Sherwin-Williams Co

SECTION I

PRODUCT IDENTIFICATION

ACE MARKING PAINT (SOLVENT BASED)

1017557/AH

SECTION II

CAS No.	HAZARDOUS INGREDIENT (% BY WEIGHT)	ACGIH TLV (STEL)	OSHA PEL (STEL)	UNITS	VAPOR PRESSURE (MMHG)	1017557 SAFETY RED	1017565 ORANGE FLOUR- ESCENT	1017599 WHITE	1017607 CAUTION BLUE
74-98-6	PROPANE		1000	PPM	760.0	13	13	14	13
106-97-8	BUTANE	800	800	PPM	760.0	12	12	13	12
10-54-3 *	HEXANE	50	50	PPM	127.0				
107-83-5	ISOHEXANE ISOMERS	500(1000)	500(1000)	PPM	250.0				
64742-89-8	VM&P NAPHTHA	300	300(400)	PPM	12.0	7	7	7	
108-88-3	*TOLUENE	50	100(150)	PPM(SKIN)	22.0	10		10	11
100-41-4	*ETHYLBENZENE	100(125)	100(125)	PPM	7.1				
1330-20-7	*XYLENE	100(150)	100(150)	PPM	5.9		9		
67-64-1	ACETONE	750(1000)	750(1000)	PPM	180.0	20	21	22	25
136-52-7	COBALT 2-ETHYL HEXANOATE	0.1	0.1	MG/M3					
14808-60-7	QUARTZ	10	15[5]	MG/M3					
471-34-1	CALCIUM CARBONATE	10	10[5]	MG/M3 AS DUST [RESP. FRACTION]		25	25	22	25
7727-43-7	BARIUM SULFATE	10	10[5]	MG/M3 AS DUST [RESP. FRACTION]					
13463-67-7	TITANIUM DIOXIDE	10	10[5]	MG/M3 AS DUST [RESP. FRACTION]					
BARIUM COMPND [% BARIUM]									
Weight per Gallon (lbs.)						7.34	7.31	7.29	7.27
VOC as a percent by weight, BAAQMD Rule 49						44	43	44	42.8
VOC (Volatile Organic Compounds) Total - lbs./gal.						3.21	3.14	3.21	3.11
HMIS (NFPA) Rating (health - flammability - reactivity)						2* 4 0	2 4 0	2 4 1	2 4 0
* Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C									

ACE MARKING PAINT(SOLVENT BASED)

Section III - PHYSICAL DATA

MSDS NUMBER
0383
ORIGINAL

PRODUCT WEIGHT	- See TABLE	EVAPORATION RATE	- Faster than Et
SPECIFIC GRAVITY	- 0.86- 0.90	VAPOR DENSITY	- Heavier than Ai
BOILING RANGE	- 0-325 #176;F	MELTING POINT	- N.A.
SOLUBILITY IN WATER	- N. A.		

Section III PHYSICAL DATA

FLAMMABIL CLASSIFICATION FLASH POINT <0 °F LEL 0.9 12.8

EXTINGUISHING MEDIA

Carbon Dioxide Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

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. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

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.

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.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED	If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If on SKIN	Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
If in EYE	Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SWALLOWED	Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardiovascular 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

INCOMPATIBILITY

None known

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will Not Occur

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 these products 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 VIII - 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.

ventilation

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 11 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 11.

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 PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX - PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

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 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.

Section X - OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products contain a chemical/s known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this products may substantially alter the composition and hazards of the products. 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.