

## MATERIAL SAFETY DATA SHEET

DIVERSIFIED BRANDS  
SHERWIN-WILLIAMS  
DIVERSIFIED BRANDS, INC.  
31500 SOLON ROAD  
SOLON, OH 44139  
Co.

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

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

SECTION I  
PRODUCT IDENTIFICATION

Ace Rust Stop-1

17070/AH

SECTION II		ACGIH	OSHA	LD-50	LC-50					
CAS No.	HAZARDOUS INGREDIENT (% BY WEIGHT)	TLV (STEL)	PEL (STEL)	(RAT-ORAL) MG/KG	(RAT) PPM/4HR	CHOCO BROWN	SUN- SHINE YELLOW	ORNGE	GRDN GREEN	LITE BLUE
74-98-6	PROPANE		1000	PPM	760.0	14	14	14	14	14
106-97-8	BUTANE	800	800	PPM	760.0	13	13	13	13	13
108-88-3	*TOLUENE	50	100(150)	PPM(SKIN)	22.0	2			1	2
100-41-4	*ETHYLBENZENE	100(125)	100(125)	PPM	7.1	4	4	4	4	4
1330-20-7	*XYLENE	100(150)	100(150)	PPM	5.9	22	24	23	23	22
67-64-1	ACETONE	750(1000)	750(1000)	PPM	180.0	28	25	27	26	25
14807-96-6	TALC	2	2	Mg/M3	AS RESP. DUST					
471-34-1	CALCIUM CARBONATE	10	15[5]	MG/M3	AS DUST [RESP. FRACTION]					
13463-67-7	TITANIUM DIOXIDE	10	10[5]	MG/M3	AS DUST [RESP. FRACTION]		3			

1333-86-4 CARBON BLACK	3.5	3.5	MG/M3					
*COPPER COMPND[%COPPER ]							1[.1]	
*ZINC COMPND[% ZINC]								
Weight per Gallon (lbs.)				6.30	6.35	6.28	6.33	6.43
VOC as a percent by weight, BAAQMD Rule 49				54.4	54.9	55.5	55.1	55.5
VOC (Volatile Organic Compounds) Total - lbs./gal.				3.45	3.52	3.47	3.51	3.57
HMIS (NFPA) Rating (health - flammability - reactivity)				2*40	240	240	240	240

\* Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

#### Ace Premium Enamel

##### Section III - PHYSICAL DATA

PRODUCT WEIGHT	- See TABLE	EVAPORATION RATE	- Faster than Ether
SPECIFIC GRAVITY	- 075- 0.80	VAPOR DENSITY	- Heavier than Air
BOILING RANGE	- 0-292 &#176;F	MELTING POINT	- N.A.
SOLUBILITY IN WATER	- N. A.		

##### Section III - PHYSICAL DATA

FLAMMABILITY CLASSIFICATION      FLASH POINT      < 0 &#176;F      LEL 1.0      UEL 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 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 conscious patient several glasses of water. Seek medical attention.

CHRONIC Health Hazards

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

No other 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, and reproductive systems.

such Rats exposed to titanium dioxide dust at 250 mg./m<sup>3</sup> developed lung cancer, however, exposure levels are not attainable in the workplace.

permanent Reports have associated repeated and prolonged overexposure to solvents with 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 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.

##### 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.

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