MATERIAL SAFETY DATA SHEET

EDH1606
02 00

DH001606 102112

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

EDH1606

HMIS CODES

Health	2*
Flammability	4
Reactivity	1

PRODUCT NAME
DH1606 HIGH HEAT ALUMINUM

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
Diversified Brands
Cleveland, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917

DATE OF PREPARATION
18-AUG-03

INFORMATION TELEPHONE NO.
(800) 832-2541

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT			UNITS	VAPOR PRESSURE
14	74-98-6	Propane				
			ACGIH TLV	2500	ppm	760 mm
			OSHA PEL	1000	ppm	
13	106-97-8	Butane				
			ACGIH TLV	800	ppm	760 mm
			OSHA PEL	800	ppm	
2	64742-88-7	Mineral Spirits				
			ACGIH TLV	100	ppm	2 mm
			OSHA PEL	100	ppm	
8	108-88-3	Toluene				
			ACGIH TLV	50	ppm (skin)	22 mm
			OSHA PEL	100	ppm (skin)	
			OSHA PEL	150	ppm (skin) STEL	
1.0	100-41-4	Ethylbenzene				
			ACGIH TLV	100	ppm	7.1 mm
			ACGIH TLV	125	ppm STEL	
			OSHA PEL	100	ppm	
			OSHA PEL	125	ppm STEL	
5	1330-20-7	Xylene				
			ACGIH TLV	100	ppm	5.9 mm
			ACGIH TLV	150	ppm STEL	
			OSHA PEL	100	ppm	
			OSHA PEL	150	ppm STEL	
26	67-64-1	Acetone				
			ACGIH TLV	500	ppm	180 mm
			ACGIH TLV	750	ppm STEL	
			OSHA PEL	1000	ppm	
12	108-10-1	Methyl Isobutyl Ketone				
			ACGIH TLV	50	ppm	16 mm
			ACGIH TLV	75	ppm STEL	
			OSHA PEL	50	ppm	
			OSHA PEL	75	ppm STEL	

Continued on page 2

2 763-69-9 Ethyl 3-Ethoxypropionate
ACGIH TLV Not Available 1.11 mm
OSHA PEL Not Available

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.
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.
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	LEL	UEL
Propellant < 0 F	1.0	12.8

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam
UNUSUAL FIRE AND EXPLOSION 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.

Continued on page 3

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

Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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.

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/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

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.

Continued on page 4

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

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.

OTHER PRECAUTIONS

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

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	6.27 lb/gal	751 g/l
SPECIFIC GRAVITY	0.75	
BOILING POINT	<0 - 395 F	<-18 - 201 C
MELTING POINT	Not Available	
VOLATILE VOLUME	91 %	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)

Volatile Weight 58.28 % Less Water and Federally Exempt Solvents

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

Continued on page 5

Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

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.

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.

TOXICOLOGY DATA

CAS No.	Ingredient Name					
74-98-6	Propane					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
106-97-8	Butane					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
64742-88-7	Mineral Spirits					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
108-88-3	Toluene					
		LC50	RAT	4HR	4000	ppm
		LD50	RAT		5000	mg/kg
100-41-4	Ethylbenzene					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		3500	mg/kg
1330-20-7	Xylene					
		LC50	RAT	4HR	5000	ppm
		LD50	RAT		4300	mg/kg
67-64-1	Acetone					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		5800	mg/kg
108-10-1	Methyl Isobutyl Ketone					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		2080	mg/kg
763-69-9	Ethyl 3-Ethoxypropionate					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		5000	mg/kg

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

Continued on page 6

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.

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

Section 14 -- TRANSPORT INFORMATION

No data available.

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene	8	
100-41-4	Ethylbenzene	0.9	
1330-20-7	Xylene	5	
108-10-1	Methyl Isobutyl Ketone	12	

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 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.

ENVIRONMENTAL DATA SHEET
(Certified Product Data Sheet)

02 00 [0983]

THE SHERWIN-WILLIAMS COMPANY
Diversified Brands
Cleveland, OH 44115
18-AUG-03

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a).
All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

PRODUCT NUMBER
EDH1606

* - Trade Mark

PRODUCT NAME
DH1606 HIGH HEAT ALUMINUM

PRODUCT WEIGHT	SPECIFIC GRAVITY	FLASH POINT
6.27 lb/gal	0.75	-20 F PMCC

HAZARD CATEGORY (for SARA 311/312)
Acute Chronic Fire

	SARA 302 EHS	CERC.	SARA 313 TC	HAPS 112	Pct by Wt	Pct by Vol
VOLATILE INGREDIENTS						
Propane 74-98-6	N	N	N	N	14	21
Butane 106-97-8	N	N	N	N	13	18
Mineral Spirits 64742-88-7	N	N	N	N	2	2
Toluene 108-88-3	N	Y	Y	Y	8	7
Ethylbenzene 100-41-4	N	Y	Y	Y	0.9	<1
Xylene 1330-20-7	N	Y	Y	Y	5	5
Acetone 67-64-1	N	Y	N	N	26	24
Methyl Isobutyl Ketone 108-10-1	N	Y	Y	Y	12	12
Ethyl 3-Ethoxypropionate 763-69-9	N	N	N	N	2	2

Continued on page 2

VOLATILE ORGANIC COMPOUNDS (follows U.S. EPA VOC Data Sheet)

A.	Coating Density	6.27 lb/gal	751 g/l
B.	Total Volatiles	83.9 % by wt.	91.1 % by vol.
C.	Federally exempt solvents:		
	Water	0.0 % by wt.	0.0 % by vol.
	Acetone	25.7 % by wt.	24.4 % by vol.
D.	Organic Volatiles	58.3 % by wt.	66.7 % by vol.
E.	Percent Non-Volatile	16.1 % by wt.	8.9 % by vol.
F.	VOC Content	3.65 lb/gal	438 g/l total
	1.	4.83 lb/gal	579 g/l less exempt solvents
	2.	41.01 lb/gal	4915 g/l solids
		3.62 lb/lb	3.62 kg/kg solids
	VOC Content (Percent By Wt)	58.3 % by wt.	

HAZARDOUS AIR POLLUTANTS (Clean Air Act, Section 112(b))

Volatile HAPS Pounds per Gallon	1.70 lbs/gal
Volatile HAPS Pounds per Gallon of Solids	19.15 lbs/gal
Volatile HAPS Pounds per Pound of Solids	1.69 lbs/lb

AIR QUALITY DATA

Density of Organic Solvent Blend	5.78 lbs/gal
Photochemically Reactive	YES
Maximum Incremental Reactivity (MIR) (per California Air Resources Board Method 310 proposed amendments for aerosol products)	1.77

WASTE DISPOSAL

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.

Addition of reducers or other additives to this product may substantially alter the above data. 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.