

MATERIAL SAFETY DATA SHEET

MC100  
02 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER	MC100	HMIS CODES	
		Health	2*
		Flammability	4
		Reactivity	1
PRODUCT NAME	METALCAST* Anodized Color Effect Spray, Ground Coat		
MANUFACTURER'S NAME	THE SHERWIN-WILLIAMS CO.	EMERGENCY TELEPHONE NO.	(216) 566-2917
	DUPLI-COLOR Products Group		
	Cleveland, OH 44115		
DATE OF PREPARATION	01-JUL-06	INFORMATION TELEPHONE NO.	(800) 247-3270

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
15	74-98-6	Propane		
		ACGIH TLV	2500 ppm	760 mm
		OSHA PEL	1000 ppm	
15	106-97-8	Butane		
		ACGIH TLV	800 ppm	760 mm
		OSHA PEL	800 ppm	
11	108-88-3	Toluene		
		ACGIH TLV	50 ppm (Skin)	22 mm
		OSHA PEL	100 ppm (Skin)	
		OSHA PEL	150 ppm (Skin) STEL	
1	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	
8	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	
20	67-64-1	Acetone		
		ACGIH TLV	500 ppm	180 mm
		ACGIH TLV	750 ppm STEL	
		OSHA PEL	1000 ppm	
9	78-93-3	Methyl Ethyl Ketone		
		ACGIH TLV	200 ppm	70 mm
		ACGIH TLV	300 ppm STEL	
		OSHA PEL	200 ppm	
		OSHA PEL	300 ppm STEL	
0.2	136-52-7	Cobalt 2-Ethylhexanoate		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	

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 Section 3 -- HAZARDS IDENTIFICATION  
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## 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.

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 Section 4 -- FIRST AID MEASURES  
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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.

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 Section 5 -- FIRE FIGHTING MEASURES  
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## FLASH POINT

Propellant < 0 F

## LEL

1.0

## UEL

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.

## 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.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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## STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

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

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Section 7 -- HANDLING AND STORAGE  
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## 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.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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## 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

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.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES  
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PRODUCT WEIGHT 6.19 lb/gal 741 g/l  
SPECIFIC GRAVITY 0.74  
BOILING POINT <0 - 292 F <-18 - 144 C  
MELTING POINT Not Available  
VOLATILE VOLUME 87 %  
EVAPORATION RATE Faster than ether  
VAPOR DENSITY Heavier than air  
SOLUBILITY IN WATER N.A.  
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)  
Volatile Weight 60.56% Less Water and Federally Exempt Solvents

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Section 10 -- STABILITY AND REACTIVITY  
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STABILITY -- Stable  
CONDITIONS TO AVOID  
None known.  
INCOMPATIBILITY  
None known.  
HAZARDOUS DECOMPOSITION PRODUCTS  
By fire: Carbon Dioxide, Carbon Monoxide  
HAZARDOUS POLYMERIZATION  
Will not occur

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Section 11 -- TOXICOLOGICAL INFORMATION  
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## 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.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity.

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

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.

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TOXICOLOGY DATA  
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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	
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
78-93-3	Methyl Ethyl Ketone	LC50	RAT	4HR	Not Available	
		LD50	RAT		2740	mg/kg
136-52-7	Cobalt 2-Ethylhexanoate	LC50	RAT	4HR	Not Available	
		LD50	RAT		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.

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

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CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene	11	
100-41-4	Ethylbenzene	1	
1330-20-7	Xylene	8	
	Cobalt Compound	0.1	0.02

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## 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.

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## Section 16 -- OTHER INFORMATION

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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.