

MATERIAL SAFETY DATA SHEET

C14216
17 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER	C14216	HMIS CODES	
		Health	2
		Flammability	3
		Reactivity	0
PRODUCT NAME	DURAVAR™ PLUS Catalyzed Finish, Semi-Gloss 65		
MANUFACTURER'S NAME	M. L. CAMPBELL	EMERGENCY TELEPHONE NO.	(216) 566-2917
	101 Prospect Ave. N.W.		
	Cleveland, OH 44115		
DATE OF PREPARATION	02-JUN-05	INFORMATION TELEPHONE NO.	(216) 566-2902

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
2	142-82-5	Heptane		
		ACGIH TLV	400 ppm	50 mm
		ACGIH TLV	500 ppm STEL	
		OSHA PEL	400 ppm	
		OSHA PEL	500 ppm STEL	
4	64742-89-8	Lt. Aliphatic Hydrocarbon Solvent		
		ACGIH TLV	100 ppm	53 mm
		OSHA PEL	100 ppm	
3	64-17-5	Ethanol		
		ACGIH TLV	1000 ppm	44 mm
		OSHA PEL	1000 ppm	
12	67-63-0	2-Propanol		
		ACGIH TLV	400 ppm	33 mm
		ACGIH TLV	500 ppm STEL	
		OSHA PEL	400 ppm	
		OSHA PEL	500 ppm STEL	
6	71-36-3	1-Butanol		
		ACGIH TLV	20 ppm (Skin)	5.5 mm
		OSHA PEL	50 ppm (Skin) CEILING	
8	141-78-6	Ethyl Acetate		
		ACGIH TLV	400 ppm	86 mm
		OSHA PEL	400 ppm	
18	123-86-4	n-Butyl Acetate		
		ACGIH TLV	150 ppm	10 mm
		ACGIH TLV	200 ppm STEL	
		OSHA PEL	150 ppm	
		OSHA PEL	200 ppm STEL	
5	628-63-7	Amyl Acetate		
		ACGIH TLV	100 ppm	4 mm
		OSHA PEL	100 ppm	
2	84-74-2	Dibutyl Phthalate		
		ACGIH TLV	5 mg/m3	
		OSHA PEL	5 mg/m3	

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 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.

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 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.

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 Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
40 F PMCC	1.0	19.0

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

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.

Continued on page 3

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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.

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Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.
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.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

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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).

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

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

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 7.92 lb/gal 949 g/l
SPECIFIC GRAVITY 0.95
BOILING POINT 163 - 306 F 72 - 152 C
MELTING POINT Not Available
VOLATILE VOLUME 67 %
EVAPORATION RATE Slower than ether
VAPOR DENSITY Heavier than air
SOLUBILITY IN WATER N.A.
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)
4.66 lb/gal 559 g/l Less Water and Federally Exempt Solvents
4.66 lb/gal 559 g/l Emitted VOC

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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
No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
Prolonged overexposure to solvent ingredients in Section 2 may cause
adverse effects to the liver, urinary and blood forming systems.
Reports have associated repeated and prolonged overexposure to solvents
with permanent brain and nervous system damage.

TOXICOLOGY DATA

Continued on page 5

CAS No.	Ingredient Name				
142-82-5	Heptane	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
64742-89-8	Lt. Aliphatic Hydrocarbon Solvent	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
64-17-5	Ethanol	LC50	RAT	4HR	Not Available
		LD50	RAT		7060 mg/kg
67-63-0	2-Propanol	LC50	RAT	4HR	Not Available
		LD50	RAT		5045 mg/kg
71-36-3	1-Butanol	LC50	RAT	4HR	8000 ppm
		LD50	RAT		790 mg/kg
141-78-6	Ethyl Acetate	LC50	RAT	4HR	Not Available
		LD50	RAT		5600 mg/kg
123-86-4	n-Butyl Acetate	LC50	RAT	4HR	2000 ppm
		LD50	RAT		13100 mg/kg
628-63-7	Amyl Acetate	LC50	RAT	4HR	Not Available
		LD50	RAT		6500 mg/kg
84-74-2	Dibutyl Phthalate	LC50	RAT	4HR	Not Available
		LD50	RAT		8000 mg/kg

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.

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

Section 14 -- TRANSPORT INFORMATION

No data available.

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 Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
71-36-3	1-Butanol	6	
84-74-2	Dibutyl Phthalate	2	

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

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.