

From: Maximus

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MATERIAL SAFETY DATA SHEET

5U-LW
2010

DATE OF PREPARATION
Mar 24, 2010

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

5U-LW

PRODUCT NAME

3rd DIMENSION® 5.0 Acrylic Urethane, All Colors

MANUFACTURER'S NAME

WESTERN AUTOMOTIVE FINISHES
101 Prospect Avenue N.W.
Cleveland, OH 44115

Telephone Numbers and Websites

Regulatory Information	(216) 566-2902
Medical Emergency	(216) 566-2917
Transportation Emergency	(800) 424-9300
<i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

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SECTION 2 - COMPOSITION INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
4 - 8	108-88-3	Toluene ACGIH TLV OSHA PEL OSHA PEL	20 PPM 100 PPM (Skin) 150 PPM (Skin) STEL	22 mm
1 - 3	100-41-4	Ethylbenzene ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	100 PPM 125 PPM STEL 100 PPM 125 PPM STEL	7.1 mm
8 - 20	1330-20-7	Xylene ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	100 PPM 150 PPM STEL 100 PPM 150 PPM STEL	5.9 mm
2	64742-95-6	Light Aromatic Hydrocarbons ACGIH TLV OSHA PEL	Not Available Not Available	3.8 mm
2 - 3	108-67-8	1,3,5-Trimethylbenzene ACGIH TLV OSHA PEL	25 PPM 25 PPM	2 mm
3 - 4	95-63-6	1,2,4-Trimethylbenzene ACGIH TLV OSHA PEL	25 PPM 25 PPM	2.03 mm
0 - 2	111-76-2	2-Butoxyethanol ACGIH TLV OSHA PEL	20 PPM 25 PPM	0.88 mm
0 - 8	78-93-3	Methyl Ethyl Ketone ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	200 PPM 300 PPM STEL 200 PPM 300 PPM STEL	70 mm
10 - 30	123-86-4	n-Butyl Acetate ACGIH TLV ACGIH TLV OSHA PEL OSHA PEL	150 PPM 200 PPM STEL 150 PPM 200 PPM STEL	10 mm
0.9 - 3	112-87-2	2-Butoxyethyl Acetate ACGIH TLV OSHA PEL	Not Available Not Available	1 mm
0 - 5	Proprietary	Coated Mica ACGIH TLV OSHA PEL	2 mg/m3 as Dust 2 mg/m3 as Dust	
0 - 22	13463-87-7	Titanium Dioxide ACGIH TLV OSHA PEL OSHA PEL	10 mg/m3 as Dust 10 mg/m3 Total Dust 5 mg/m3 Respirable Fraction	
0 - 1	1333-86-4	Carbon Black ACGIH TLV OSHA PEL	3.5 MG/M3 3.5 MG/M3	
<15	1344-37-2	Lead Chromate ACGIH TLV OSHA PEL	0.05 MG/M3 0.05 MG/M3	
0 - 3	8007-18-9	Nickel Antimony Titanate ACGIH TLV OSHA PEL	0.5 MG/M3 0.5 MG/M3	
<15	12656-85-8	Molybdate Orange ACGIH TLV OSHA PEL	0.05 MG/M3 0.05 MG/M3	
% by Weight max 0.1 max 0.6 max 2.5		Ingredient Antimony (as Sb) Lead (as Pb) Chromium VI (as Cr)		

SECTION 3 - HAZARDOUS 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.

HMIS Codes	
Health	2*
Flammability	3
Reactivity	0

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the hematopoietic (blood-forming) system
- the cardiovascular system
- the reproductive system

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

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure. Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

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 any breathing problems occur during use, LEAVE THE AREA and get fresh air. If problems remain or occur later, IMMEDIATELY get medical attention.
 INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT 45 - 60 °F TCC
 LEL 0.5
 UEL 10.8
 FLAMMABILITY CLASSIFICATION RED LABEL - Flammable, Flash below 100 °F (38 °C)

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.

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

DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flames. 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**

NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.

Before initial use, consult OSHA's Standard for Occupational Exposure to Lead (29 CFR 1910.1026).

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).

CONTAINS LEAD. Do not apply on toys and other children's articles, furniture, or any interior surface of a dwelling or facility which may be occupied or used by children. Do not apply on any exterior surface of dwelling units, such as window sills, porches, stairs, or railings to which children may be commonly exposed.

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

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2 may be effective. Follow respirator manufacturer's directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. **NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.**

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.

PROTECTIVE GLOVES

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated side shields.

OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	8 - 11 lb/gal	960 - 1320 g/l
SPECIFIC GRAVITY	0.99 - 1.32	
BOILING POINT	174 - 384 °F	78 - 195 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	50 - 80 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - Ready to Spray)

5.0 lb/gal	600 g/l Less Water and Federally Exempt Solvents
5.0 lb/gal	600 g/Emitted VOC

SECTION 10 - STABILITY AND REACTIVITY**STABILITY - Stable****CONDITIONS TO AVOID**

None known.

INCOMPATIBILITY

Contamination of Metallics with Water, Acids, or Alkalies can cause evolution of hydrogen, which may result in dangerously increased pressures in closed containers.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute occupational exposure to Lead is uncommon, but results in effects and symptoms similar to chronic overexposure described below.

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CHRONIC HEALTH HAZARDS

Chronic overexposure to Lead may result in damage to the blood-forming, nervous, urinary, and reproductive systems (including embryotoxic effects). Symptoms include abdominal discomfort or pain, constipation, loss of appetite, metallic taste, nausea, insomnia, nervous irritability, weakness, muscle and joint pains, headache and dizziness.

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

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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.

Chromates are listed by IARC and NTP. Although studies have associated exposure to Chromium VI compounds with an increased risk of respiratory cancer, available evidence indicates that Lead Chromate (Chrome Yellow, Molybdate Orange) DOES NOT present this hazard.

Limited evidence exists linking certain Nickel compounds to cancer in animals and possibly humans, however no direct evidence exists that Nickel Antimony Titanate is carcinogenic.

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

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.

TOXICOLOGY DATA

CAS No.	Ingredient Name			
108-88-3	Toluene	LC50 RAT LD50 RAT	4HR	4000 ppm 8000 mg/kg
100-41-4	Ethylbenzene	LC50 RAT LD50 RAT	4HR	Not Available 3500 mg/kg
1330-20-7	Xylene	LC50 RAT LD50 RAT	4HR	5000 ppm 4300 mg/kg
64742-95-6	Light Aromatic Hydrocarbons	LC50 RAT LD50 RAT	4HR	Not Available Not Available
108-67-8	1,3,5-Trimethylbenzene	LC50 RAT LD50 RAT	4HR	Not Available Not Available
95-63-6	1,2,4-Trimethylbenzene	LC50 RAT LD50 RAT	4HR	Not Available Not Available
111-76-2	2-Butoxyethanol	LC50 RAT LD50 RAT	4HR	Not Available 470 mg/kg
78-93-3	Methyl Ethyl Ketone	LC50 RAT LD50 RAT	4HR	Not Available 2740 mg/kg
123-86-4	n-Butyl Acetate	LC50 RAT LD50 RAT	4HR	2000 ppm 13100 mg/kg
112-07-2	2-Butoxyethyl Acetate	LC50 RAT LD50 RAT	4HR	Not Available 2400 mg/kg
Proprietary	Coated Mica	LC50 RAT LD50 RAT	4HR	Not Available Not Available
13463-67-7	Titanium Dioxide	LC50 RAT LD50 RAT	4HR	Not Available Not Available
1333-86-4	Carbon Black	LC50 RAT LD50 RAT	4HR	Not Available Not Available
1344-37-2	Lead Chromate	LC50 RAT LD50 RAT	4HR	Not Available Not Available
8007-18-9	Nickel Antimony Titanate	LC50 RAT LD50 RAT	4HR	Not Available Not Available
12686-88-6	Molybdate Orange	LC50 RAT LD50 RAT	4HR	Not Available Not Available

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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 and extractability 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

US Ground (DOT)
Information is not Available
Canada (TDG)
Information is not Available
IMO
Information is not Available

SECTION 15 - REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene	max 8	
100-41-4	Ethylbenzene	max 3	
1330-20-7	Xylene	max 20	
95-63-6	1,2,4-Trimethylbenzene	max 4	
	Chromium Compound	max 15	max 2.5
	Nickel Compound	max 8	max 0.09
	Antimony Compound	max 3	max 0.4
	Lead Compound	max 15	max 29.5
	Glycol Ethers	max 5	

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 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.