

MATERIAL SAFETY DATA SHEET



WESTERN AUTOMOTIVE FINISHES
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
1 - Dec - 92

©1992, Western Automotive Finishes

HI-GLO® Synthetic Enamel Factory Packaged Colors W500/W2

CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ICDM TLV PEL (STEL) <STEL>	OSHA PEL (STEL) <STEL>	Utals (ppm)	Vapor Pressure (mm-Hg)	W544 Epoxy Resin	W545 Mosaic	W546 Embossing Red	W547 Peach Red	W549 Cherry Red Metallic	W551 Antisk White	W552 White	W553 Cream	W554 Light Buckskin	W556 Concrete Yellow	W557 Oxidation Enamel	W558 Pure White	W559 White	
64742-48-9	V. M. & P. Naphtha	300 <400>	300	PPM	12.0	16	14	16	15	11	15	15	15	15	17	15	15	15	15
64742-47-0	Mineral Spirits	100	100	PPM	2.0	27	29	29	28	32	23	23	20	24	26	32	23	23	24
100-98-3	Toluene	50 <150>	100	PPM (SKIN)	22.0	6	5	5	5	6	4	4	5	5	5	6	4	4	4
1330-20-7	Xylene	100 <150>	100	PPM	5.9	1	1	2	2	2			1	1	1	1			
95-83-6	1,2,4-Trimethylbenzene	25	25	PPM	2.0		2												
129-88-4	n-Butyl Acetate	150 <200>	150	PPM	10.0	4	3	4	4	4	3	3	3	3	4	4	3	3	3
13463-67-7	Titanium Dioxide	10	10 [5]	Mg/M3 as Dust (Resp. Fraction)						22	22	22	14	18	2		22	22	22
8007-18-9	Nickel Antimony Trihydrate	0.5	0.5	Mg/M3											4				
	3 Nickel compound (% Nickel)														4 [0.2]				
	3 Antimony compound (% Antimony)														4 [0.6]				
	Weight per Gallon (lbs.)					7.70	7.63	7.55	7.61	7.85	8.92	8.92	9.37	8.59	7.96	7.54	8.92	8.91	
	VOC - Total Volatile Organic Compounds (lbs./gal.)					4.36	4.36	4.28	4.10	4.21	4.17	4.17	4.26	4.20	4.24	4.45	4.17	4.17	
	VOC - Less Water and exempt Solvents (lbs./gal.)					4.36	4.36	4.29	4.18	4.21	4.17	4.17	4.26	4.20	4.24	4.45	4.17	4.17	
	Photochemically Reactive					Yes	Yes	Yes	No	Yes	No	No	No	No	No	Yes	Yes	No	
	Flash Point (°F)					72	72	72	72	72	72	72	72	72	72	72	72	72	
	HMIS* (NFPA) Rating (health - flammability - reactivity)					2-3-0	2-3-0	2-3-0	2-3-0	2-3-0	2-3-0	2-3-0	2-3-0	2-3-0	2-3-0	2-3-1	2-3-0	2-3-0	
	PAINT-SAFE® Personal Protection					J3	J3	J3	J3	J3	J3	J3	J3	J3	J3	J3	J3	J3	

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

HI-GLO® Synthetic Enamel Factory Packaged Colors

W500/W

Section III - PHYSICAL DATA

PRODUCT WEIGHT - See TABLE
SPECIFIC GRAVITY - 0.89-1.1
BOILING RANGE - 178-437 °F
VOLATILE VOLUME - 63-71 %

EVAPORATION RATE - Slower than EDJAT
VAPOUR DENSITY - Heavier than AIR
MELTING POINT - N.A.
SOLUBILITY IN WATER - N.A.

Section IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION - See TABLE
FLASH POINT 12L 0.7 UEL 11.1
RED LABEL - Flammable. Flash below 100 °F

EXTINGUISHING MEDIA
 Carbon Dioxide, Dry Chemical, Foam
INITIAL FIRE AND EXPLOSION HAZARD
 Keep containers tightly closed. 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.
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

NOTES OF EXPOSURE
 Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohol and acetone can be absorbed through the skin. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.
ACUTE HEALTH HAZARD
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
 Irritation, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors and fumes. 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.
IF IN EYES: Flush eyes with large amount of water for 15 minutes. Get medical attention.
IF SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.
CHRONIC HEALTH HAZARD
 No ingredient in these products is an IARC, DTP, or OSHA listed carcinogen. The ingredients are known irritants. Section II may cause adverse effects to the liver, with repeated use. Repeated use may cause cardiovascular and reproductive system effects exposed to fumes. Repeated use may cause effects on the developing lung cancer. However, such exposure levels are not established in these products.
 Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI - REACTIVITY DATA

STABILITY - Stable
COMPATIBILITY
 Metallics contain Aluminum. Combination with Water, Acids, or Alkalis 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 II
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 number. Waste from products containing Chromium may also require testing for extractability.
 Transfer to approved facility. Do not incinerate closed containers. 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.
 This coating may contain materials classified as nuisance particulates (listed "as dust" in Section II) which may be present at hazardous level only during sanding or abrading of the dried film. (If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are: OSHA PEL 10 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).)
 Local exhaust preferable. General exhaust acceptable if the exposure to material in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.55, 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.
 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 II.
PROTECTIVE GLOVES
 Section II. Wear gloves which are recommended by glove supplier for protection against materials in Section II.
EYE PROTECTION
 Wear safety spectacles with unperforated side shields.

Section IX - PRECAUTIONS

DOE STORAGE CATEGORY - 1B
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
 Containers are FLAMMABLE. Keep away from heat, sparks, and open flame.
 Keep containers tightly closed. Use approved bonding and grounding procedures.
 Keep containers tightly closed and do not in use. Transfer only to approved containers with complete and appropriate labelling. 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.

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 assume no warranty, express or implied, and assume no liability in connection with any use of this information.

IV-19 to IV-23