

MATERIAL SAFETY DATA SHEET

SOLVENTS - PRIMERS - CLEARCOATS - ADDITIVES

SECTION I:

Distributed By: Auto Value Associates, Inc.
 Address: 14351 Blanco Road
 San Antonio, TX 78216



Emergency Phone #: Chemtrec (800) 424-9300
 Product: Primers, Clearcoats, Solvents, and Additives
 D.O.T. Hazard Class: Paint, Flammable Liquids UN 1263, 3, PGII

SECTION II - Hazardous Ingredients. (See Section X for specific products' codes.)

CODE NO.	HAZARDOUS INGREDIENT	EMERG. PLAN*	NOTE	CAS NO	ACGIH TLV	OSHA PEL	STEL**	NFPA H-F-R	FLASH POINT T.C.C/F	VAPOR PRESSURE mm Hg
1	n-BUTYL ACETATE	YES		123-86-4	150	150	200	2-3-0	81	10 @20C
2	ACETONE	YES		67-64-1	750	750	1000	1-3-0	<-1.0	182 @20c
3	TOLUENE	YES	2	108-88-3	50	100	150	2-3-0	45	47 @ 20c
4	ISOPROPYL ALCOHOL	YES		67-63-0	400	400	500	1-3-0	53	32 @20C
5	N-HEPTANE	NO		142-82-5	400	400		1-3-0	20	60 @25C
6	DIISOBUTYL KETONE	NO		108-83-8	25	25	N/E	2-2-0	120	1.7 @20C
7	ETHYL ACETATE 99%	YES		141-78-6	400	400	N/E	1-3-0	24	86 @20C
8	PROPYLENE GLYCOL MONO-METHYL ETHER ACETATE	NO		108-65-6	N/E	N/E	N/E	2-3-0	114 Seta closed	2.4 @20C
9	2-BUTOXYETHYL ACETATE	NO		112-07-02	N/E	N/E		2-2-0	160	0.3 @20C
10	VM&P NAPHTHA	NO		64742-89-8	N/E	N/E		1-3-0	18	38 @68F
11	ETHYLENE GLYCOL N-BUTYL ETHER	NO		111-76-2	N/E	N/E		1-2-0	165	.88 @25C
12	AROMATIC HYDROCARBONS	NO		64742-95-6	50	50	150	1-3-0	110	3 @20C
13	ETHYL 3-ETHOXY PROPINATE	YES		763-69-9	N/E	N/E	100	1-2-0	136	1.5 @20C
14	XYLENE	YES	1	1330-20-7	100	100	150	2-3-0	77	9.5 @20C
15	MINERAL SPIRITS	NO		8032-32-4	100	100	100	1-2-0	100	<1 @20C
16	ISOBUTYL ACETATE	NO		110-19-0	150	150	187	1-3-0	62	14.8 @20C
17	N-BUTYL ALCOHOL	YES		71-36-3	50	50	N/E	2-3-0	97	5.5 @20c
18	METHYL ETHYL KETONE	YES		78-93-3	200	200	300	3-3-0	16	85 @20C
19	METHYL AMYL KETONE	NO		110-43-0	50	100	N/E	1-2-0	102	2.1 @20C
20	METHYL PROPYL KETONE	NO		107-87-9	200	200		1-2-0	45	27 @20C
21	STRONTIUM CHROMATE	YES	3	7789-06-2				4-0-0	N/A	N/A
22	EPOXY RESIN	YES		25036-25-3				2-1-0	N/A	N/A
23	FILM FORMERS, RESINS, AND ADDITIVES	NO								
24	HEXYL ACETATE	NO		88230-35-7	N/E	N/E		1-2-0	135	1.4 @68F
25	HEPTYL ACETATE	NO		90438-79-2	N/E	N/E		1-2-0	151	1 @68F
26	METHYL ALCOHOL	NO		67-56-1	200	200		2-2-0	54	97 @20C
27	ISOBUTYL ALCOHOL	NO		78-83-1	N/E	N/E		2-2-0	85	8.8 @20C
28	PROPIONIC ACID	NO		590-01-2	N/E	N/E		2-2-0	100	3.4 @20C
29	METHYL ISOBUTYL KETONE	YES		108-10-1	50	50	75	2-3-0	60	16 @20C
30	PROPYLENE GLYCOL MONOMETHYL ETHER	YES		107-98-2	100	100		2-3-0	94 OPEN CUP	11 @25C
31	672 NAPHTHA	YES		64742-47-8	300	300		2-3-0	N/A	9 @100F

32	2,4, PENTANEDIONE	YES		123-54-6	20	20		3-3-1	96	6.8 @ 68 F
33	STYRENE	YES		100-42-5	100	100	100	2-3-2	88	4.5 @ 68 F
34	ZINC TETROXY CHROMATE	YES	3	13530-65-9	N/E	N/E		3-3-0	N/A	N/A
35	BENZENE DERIVATIVE	NO		CERT. LETTER				2-3-0		5.3 @ 68 F
36	ETHYL BENZENE	YES	1	100-41-4	100	100	150	2-3-0	77	7.1 @ 68 F
37	FILM FORMERS	NO		9004-70-0	N/E	N/E		2-2-2	53	3.3 @ 68 F
38	CARBON BLACK	NO		1333-86-4	3.5 mg/m3	3.5 mg/m3		N/A	N/A	N/A
41	PETROLEUM DISTILLATE	NO		64742-95-6	50	50	150	1-3-0	110	4 @ 68 F
42	TITANIUM DIOXIDE	NO		13463-67-7	N/E	N/E		0-0-0	N/A	N/A

SECTION III - PHYSICAL DATA

Evaporation Rate: Slower than ether Vapor Density: Heavier than air
Solubility in water: Slight Volume % volatile: 19.4 - 80.9%
Boiling range: 129 - 437 F Weight % volatile: 15.3 - 76.0%
Gallon weight (# per gal.): 6.0 - 7.8 #/gal. V.O.C.(# per gal.): See Table

SECTION IV - FIRE & EXPLOSION DATA

Flash point (Closed cup): -4 to 160 degrees F.
Approximate flammable limits: 1.1% - 14%
Extinguishing media: Foam, carbon dioxide, dry chemical.
Special fire fighting procedures: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool containers to prevent pressure build up.
Unusual fire & explosion hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or spray flammable at temperatures below the flash point.

SECTION V - HEALTH HAZARD DATA

GENERAL EFFECTS

Ingestion: Gastro-intestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of the ingredients available.
Inhalation: May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: Headache, dizziness, nausea, stag gait, confusion, and/or unconsciousness. Toluene has been found by the state of California to cause birth defects of other reproductive harm. Propylene glycol monoethyl ether acetate and n-Butyl alcohol may cause moderate eye burning and can be absorbed through the skin in harmful amounts. Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs or monkeys. Several studies evaluating pet workers have not shown significant increases of kidney damage or kidney or liver tumors. Extremely high concentration of n-butyl acetate have caused blood changes and w in laboratory animals. Repeated extremely high exposures of laboratory animals to Ethyl acetate resulted in secondary anemia with and increase in white blood cells, fatty degeneration, cloudy swelling and an excess of blood in various organs. Dibasic ester inhalation overexposure in rats has shown mild injury to the olfactory region of the nose. Srortium Chromate is a NTP and IARC listed carcinogen. Ethylene glycol monobutyl ether acetate can be absorbed through the skin in harmful amounts. In studies in laboratory animals has produced damage to red blood cells and kidneys. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.
Skin or eye contact: Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; and call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (materials to avoid): None, reasonably foreseeable
Hazardous decomposition products: CO, CO2, smoke
Hazardous polymerization: Will not occur

SECTION VII - SPILL or LEAK PROCEDURES

Steps to be taken in case material is released or spilled: DO NOT breathe vapors. DO NOT get in eyes or on skin. Wear a positive pressure supplied air vapor/particulate respirator (NIOSH/MSHA TC-19C), eye protection, gloves and protective clothing. Remove sources of ignition. Absorb with inert material. Ventilate area. Pour liquid into decontamination solution over the spill and allow to sit 10 minutes, minimum.
Typical decontamination solutions are: 20% surfactant (Tergitol TMN 10), 80% Water OR 0-10% Ammonia, 2-5% Detergent, Balance water
Waste disposal method: DO NOT allow material to contaminate ground water systems. Incinerate absorbed material in accordance with federal, state, and local requirements. DO NOT incinerate in closed containers.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory: DO NOT breathe vapors or mists. When this product is used with a paint requiring isocyanate hardener or activator, wear a continuous flow supplied air respirator (NIOSH/MSHA TC-19C approved) when mixing the hardener/activator with the paint, during application and until all vapor and spray mists are exhausted. DO NOT permit anyone without respirator protection in the painting area. Refer to the hardener/activator label instructions and MSDS for further information. Follow the respirator manufacturer's directions for respirator use.
Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements.
Protective clothing: Neoprene gloves and coveralls are recommended.
Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks, and flame. Close container after each use. Ground container when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 degrees F.
Other precautions: DO NOT sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

Subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372.

** Short term exposure limit

Note 1 - Xylene contains 18-20% Ethyl Benzene (CAS# 100-41-0) having a PEL of 100 ppm, TLV of 100 ppm and a STEL of 150 ppm.

Note 2 - Toluene is known to the state of California to cause birth defects or other reproductive harm.

Note 3 - Zinc Tetroxy Chromate and Strontium Chromate are NTP and IARC listed carcinogens.

N/E - Not established as reported by manufacturer.

SECTION X - PRODUCT CODES AND INFORMATION

PRODUCT NUMBER	COMPOSITION: % BY WEIGHT (HAZARDOUS INGREDIENTS)	EMERG. PLAN.*	FLASH POINT	OSHA FLAM CLASS	NFPA- H F R	VOC LBS/GL	BO PC
5510, 5513	1) 0-10%; 2) 35%; 3) 13%; 5) 0-10%; 8) 5-15%; 10) 0-10%; 13) 5-15%; 14) 6%; 16) 5-15%	YES	-4 TCC/F	IB	2-3-0	6.73	13
5511, 5514	1) 15-25%; 2) 20%; 3) 13%; 5) 0-10%; 8) 15-25%; 10) 0-10%; 13) 0-10%; 14) 6%	YES	-4 TCC/F	IB	2-3-0	6.95	13
5512, 5515	1) 0-10%; 8) 40-50%; 13) 0-10%; 14) 5%; 15) 0-10%; 18) 21%; 29) 10%	YES	23 TCC/F	IB	2-3-0	7.19	17
5530, 5533	3) 26%; 7) 0-10%; 18) 45%; 28) 20-30%	YES	23 TCC/F	IB	2-3-0	7.03	16
5531, 5534	1) 10-20%; 2) 8%; 3) 5%; 7) 0-10%; 14) 18%; 28) 25-35%	YES	-4 TCC/F	IB	2-3-0	7.29	13
5532, 5535	6) 45-55%; 8) 0-10%; 15) 10-20%; 17) 10%; 20) 0-10%; 28) 0-10%	YES	46 TCC/F	IB	2-3-0	6.73	21
5540, 5542	1) 5-15%; 3) 12%; 4) 4%; 7) 45-55%; 18) 11%; 29) 4%	YES	23 TCC/F	IB	1-3-0	7.06	16
5541, 5543	1) 10-20%; 3) 14%; 4) 4%; 7) 5-15%; 8) 5-15%; 18) 27%; 29) 4%	YES	23 TCC/F	IB	2-3-0	6.98	16
5910	11) 1%; 23) 0-10%	YES	150 TCC/F	IB	2-3-0	0.09	20
8154	2) 51%; 35) 10%-20%; 29) 14%; 14) 8%; 1) 0%-10%; 36) 2%	YES	-4 TCC/F	IB	2-3-0	2.10	13
8220	3) 98% 23) 0-10%	YES	45 TCC/F	IB	2-3-0	7.14	23
8400, 8401, 8402 8403	2) 8%; 3) 23%; 4) 1%; 14) 3%; 23) 45-55%; 26) 1%; 29) 12% <i>No lead</i>	YES	-4 TCC/F	IB	3-3-0	4.76	13
8404	3) 22%; 29) 14%; 37) 0%-10%; 2) 8%; 4) 4%; 14) 3%; 26) 1%; 38) <1%	YES	-4 TCC/F	IB	2-3-0	5.21	13
8411, 8421, 8412, 8422	3) 1%; 4) 5%; 8) 0-10%; 16) 5-15%; 18) 13%; 22) 16%; 23) 25-35% 25) 0-10% 27) 0-10%	YES	23 TCC/F	IB	2-3-0	4.55	17
8411B	3) 1%; 4) 5%; 8) 0-10%; 16) 5-15%; 18) 14%; 21) 6.91%; 22) 16%; 23) 25-35%; 25) 0-10%; 27) 0-10%	YES	23 TCC/F	IB	3-3-0	4.58	17
8441, 8442	3) 4%; 14) 18%; 16) 5-15%; 18) 4%; 23) 55-65%	YES	23 TCC/F	IB	2-3-0	4.26	17
8443, 8444	3) 4%; 8) 0-10%; 14) 15%; 16) 5-15%; 18) 4%; 36) 3%	YES	23 TCC/F	IB	2-3-0	4.17	17
8452, 8451	14) 13%; 16) 0%-10%; 36) 3%; 3) 3%; 2) 1%; 29) 1%; 18) 1%	YES	-4 TCC/F	IB	2-3-0	3.20	13
8461, 8462	3) 7%; 8) 0-10%; 14) 4%; 23) 0-5%; 27) 5-15%	YES	45 TCC/F	IB	2-3-0	5.89	17
8466, 8467	8) 0-10%; 14) 6%; 18) 23%; 23) 1%; 27) 15-25%; 29) 10%; 34) 7.15%	YES	23 TCC/F	IB	2-3-0	4.53	17
8481, 8482	11) 2%; 23) 30-40%	YES	150 TCC/F	IB	1-0-0	0.29	21
8900, 8904	3) 6%; 8) 0-10%; 13) 0-10%; 14) 33%; 16) 0-10%; 18) 7% 19) 0-10%	YES	23 TCC/F	IB	2-3-0	5.22	17
8980, 8981	1) 15-25%; 10) 0-10%; 14) 3%; 19) 5-15%; 23) 55-60%	YES	54 TCC/F	IB	2-3-0	3.19	24

* Products indicated with a "yes" contain ingredients that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372. NFPA ratings for individual products have not been established. The ratings given are the highest rating of any ingredient contained in that product.

NOTICE: The data in this Material Safety Data Sheet relate only to the specific material designated herein and do not relate to use in combination with another material or in any process.