

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  | 33 @ 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 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 a 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:<br>% BY WEIGHT<br>(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%;<br>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%;<br>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%;<br>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<br>8403  | 2) 8%; 3) 23%; 4) 1%; 14) 3%; 23) 45-55%; 26) 1%; 29) 12%<br><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%;<br>38) <1%                               | YES           | -4 TCC/F    | IB              | 2-3-0       | 5.21       | 13    |
| 8411, 8421, 8412,<br>8422 | 3) 1%; 4) 5%; 8) 0-10%; 16) 5-15%; 18) 13%; 22) 16%; 23) 25-35%<br>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%;<br>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%;<br>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.