A/D FIRE PROTECTION SYSTEMS INC.

MATERIAL SAFETY DATA SHEET

A/D COLORCOAT® (TOPCOAT FOR A/D FIREFILM® II & III) Date prepared: January 2006

SECTION I - PRODUCT INFORMATION

1. Trade Name and Synonyms:
   A/D COLORCOAT® (TOPCOAT FOR A/D FIREFILM® II & III), silicone alkyd (low VOC), B56 Z series

2. Manufacturer's Name and Address
   The Sherwin-Williams Co.
   101 Prospect Ave. N.W.
   Cleveland, Ohio 44115
   Tel. No. (216) 566-2902 (information)
   Tel. No. (216) 566-2917 (emergency)
   Fax No. (216) 566-2920

3. Supplier's Name and Address:
   A/D Fire Protection Systems Inc.
   420 Tapscott Rd.
   Scarborough, Ontario
   M1B 1Y4
   Tel. No. (800) 263-4087, (416) 292-2361
   Fax No. (416) 298-5887
   Prepared by: Technical Service Department

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS INGREDIENTS	CAS NO.	ACGIH TLV (STEL)	OSHA PEL (STEL)	%'s Pure White	Mid-tone Base	Deep-tone Base	Ultra-deep Base
Ethylene Glycol	107-21-1	C 50 ppm	C 50 ppm	<2% may be added in tinting			
Mineral Spirits	64742-88-7	100 ppm	100 ppm	17	18	20	24
Mineral Spirits 140-Flash	64742-88-71	100 ppm	100 ppm	4	4	3	-
Xylene	1330-20-7	100(150) ppm	100(150) ppm	1	1	-	-
Medium Aromatic Hydrocarbons	64742-94-5	Not established	Not established	2	2	2	2
Methyl n-Amyl Ketone	110-43-0	50 ppm	100 ppm	-	-	-	1
Titanium Dioxide	13463-67-7	10 mg/m³ as dust	10 [5] mg/m³ as dust [resp fraction]	13	9	8	-
Votatile Organic Compounds (VOC – lbs/gal)				2.69	2.69	2.67	2.70
Weight Per Gallon (lbs)				10.23	9.86	9.75	9.11
WHMIS (NFPA) Rating (health – fire – reactivity)				2-2-0	2-2-0	2-2-0	2-2-0
Solids By Weight (%)				73.7	72.8	72.6	70.4
Solids By Volume (%)				59.2	59.2	59.4	58.9

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

1. Boiling Range: 65-199°C/174-416°F
2. Freezing Point: Not available
3. Melting Point: Not available
4. Vapor Pressure (mmHg): a) Ethylene Glycol - 0.1 b) Mineral Spirits - 2.0
   c) Mineral Spirits 140-Flash - 0.5 d) Xylene - 5.9
   e) Medium Aromatic Hydrocarbons - 0.1 f) Methyl n-Amyl Ketone - 2.1
5. Vapor Density (Air = 1): Heavier than air
6. % Volatile by Volume: 40 - 58
7. Specific Gravity (Water = 1): 0.96 - 1.24

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS…continued

8. Solubility in Water:	Not available
9. Solubility in Other Solvents:	Not available
10. Evaporation Rate:	Slower than Ether
11. Appearance and Odor:	Solvent type odor, color varies with order
12. Odor Threshold:	Not available

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

1. Flammability:	Combustible, Flash above 37°C/99°F and below 93°C/200°F
2. Flash Point:	38-40°C/100-104°F
2. Lower Explosive Limit %:	0.8
3. Upper Explosive Limit %:	5.3
4. Autoignition Temperature:	Not available
5. Fire Extinguishing Agents:	Carbon Dioxide, Dry Chemical, Foam
6. Fire Fighting Procedures:	Full protective equipment including Self-Contained Breathing Apparatus. 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.
7. Unusual Fire/Explosion Hazard:	Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions.
8. Hazardous Combustion Products:	Carbon Dioxide, Carbon Monoxide

SECTION V - REACTIVITY DATA

1.	Product Stability:	Stable
2.	Hazardous Polymerization:	Will not occur
3.	Incompatible Materials:	None known
4.	Hazardous Decomposition Products:	Combustion will produce carbon monoxide and carbon dioxide.
5.	Conditions to Avoid:	None known
6.	Photochemically Reactive:	Yes

SECTION VI - TOXICOLOGICAL DATA

Primary Routes of Exposure:	Inhalation, ingestion, skin and/or eye contact
Acute Exposure:	Irritation of eyes, skin and/or respiratory system. Redness, itching and/or burning sensation may indicate excessive skin or eye exposure. Headache, dizziness, nausea and loss of coordination are signs of excessive exposure to vapors and/or spray mists. May cause nervous system depression. During emergency conditions overexposure to decomposition products may cause a health hazard, to which symptoms may not be immediately apparent. Obtain medical attention Extreme overexposure may result in unconsciousness and possibly death.
Chronic Exposure:	No ingredient in these products is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary and/or reproductive systems. Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gauge. There is no evidence to indicate it causes birth defects in humans. Rate exposed to Titanium Dioxide dust at 250 mg/m³ developed lung cancer, however, such exposure levels are not attainable in the workplace. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Medical Conditions Aggravated by Exposure: None generally recognized.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION VII - PREVENTATIVE MEASURES

A. PERSONAL PROTECTION EQUIPMENT

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 or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from these products, underlying paint, or the abrasive.

Eye/Face Protection: Avoid contact with eyes. Wear safety glasses or safety goggles with unperforated sideshields.

Skin Protection: Avoid contact with skin. Wash hands after using. Wear gloves, which are recommended by glove supplier for protection against materials in Section II.

Ventilation Requirements: Use only with adequate ventilation. Avoid breathing vapor and/or spray mist. This coating may contain materials classified as nuisance particulates (listed as dust in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. The applicable limits for nuisance dusts are ACGIH TLV of 10 mg/m³ (total dust) and OSHA PEL of 15 mg/m³ (total dust) 5 mg/m³ (respirable fraction). Local exhaust preferable. General exhaust acceptable if exposure to materials in Section II is maintained below applicable exposure limits (refer to OSHA Standards 1910.94, 1910.107, 1910.108).

B. STORAGE AND HANDLING

Storage Conditions: Keep container tightly sealed when not in use. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Consult NFPA code. Use approved Bonding and Grounding procedures. Keep out of reach of children.

Handling Procedures: Transfer only to approved containers with complete and appropriate labeling. Do not inhale vapor or ingest.

Cured product requires no special precautions.

C. ENVIRONMENTAL PROTECTION

Spill or Leak Procedure: Remove all sources of ignition. Restrict area to only those personnel needed. Contain leak or spill. Ventilate area of spill and remove material with inert absorbent.

Waste Disposal: 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 number. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with local, provincial/state and/or federal laws and regulations.

SECTION VIII - FIRST AID PROCEDURES

1. Inhalation: If affected, remove from exposure area. Restore breathing. Keep warm and quiet. If symptoms persist, consult a physician.
2. Eye Contact: Immediately flush the contaminated eye(s) with large amounts of water for 15 minutes. Obtain medical attention.
3. Skin Contact: Remove contaminated clothing and launder before re-use. Wash gently and thoroughly with soap and water. If symptoms persist, obtain medical attention.
4. Ingestion: Obtain medical attention immediately.

SECTION IX - REGULATORY CLASSIFICATION

WHMIS Classification:
1. CLASS B - Flammable and Combustible Liquid
   Division 2 – Flammable Liquid
   Division 3 - Combustible Liquid
2. CLASS D - Poisonous and Infectious Material
   Division 2 - Other Toxic Effects

TDG Information: Regulated by air.

DOL Storage Category: Category 2.

SECTION X - SOURCES USED

Material Safety Data Sheets from raw material suppliers.

APPENDIX A

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.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.