



Material Safety Data Sheet

CHEMTREC
Transportation
Emergency Phone: 800-424-9300

Pittsburgh Poison Control Center
Health Emergency No.: 412-681-6669

NOTE: The CHEMTREC Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

Section 1 - Chemical Product / Company Information

Product Name: A/D FIREFILM III
Revision Date: 10/18/2011
Identification Number: PLMSDS 35ADS1NL
Supercedes : 03/04/2010
Product Use/Class: FOR INDUSTRIAL USE ONLY
Preparer: Regulatory, Department
Manufacturer: Carboline Company
2150 Schuetz Road
St. Louis, MO 63146
(800) 848-4645

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA-CEIL
TITANIUM DIOXIDE	13463-67-7	15.0	10 MGM3	N/E	10 MGM3	N/E
PENTAERYTHRITOL	115-77-5	10.0	10 MG/M3	N/E	5 MGM3	N/E
SHORT CHAIN CHLORINATED PARAFFIN	63449-39-8	5.0	N/E	N/E	N/E	N/E
BUTYL BENZYL PHTHALATE	85-68-7	0.6	NE	N/E	NE	NE

Section 3 - Hazards Identification

Emergency Overview: Use ventilation necessary to keep exposures below recommended exposure limits, if any. May cause irritation to the respiratory tract.

Effects Of Overexposure - Eye Contact: May cause eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation.

Effects Of Overexposure - Inhalation: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Use in inadequately ventilated areas may result in irritation headache and nausea.

Effects Of Overexposure - Ingestion: May be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Under normal use conditions, this product is

not expected to cause adverse health effects.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: If you have a condition that could be aggravated by exposure to dust or organic vapors, see a physician prior to use.

Section 4 - First Aid Measures

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

First Aid - Skin Contact: Launder clothing before reuse. In case of contact, wash skin immediately with soap and water.

First Aid - Inhalation: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

First Aid - Ingestion: If swallowed do not induce vomiting. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point, F: None
(Setaflash)

Lower Explosive Limit, %: 0.6
Upper Explosive Limit, %: 17.4

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: None known.

Special Firefighting Procedures: Non-flammable. Cool fire-exposed containers using water spray.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use personal protective equipment as necessary. Dispose of material in accordance with all federal, state and local regulations. If a spill or leak occurs, contain the material. It can be allowed to dry or cure and presents no health or fire hazard. The material can then be removed and disposed of as non-hazardous waste. Before drying, the material can be washed or removed using soap and water.

Section 7 - Handling And Storage

Handling: Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. Use only in accordance with Carboline application instructions, container label and Product Data Sheet.

Storage: Protect from Freezing! Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: General ventilation should be provided to maintain ambient

concentrations below nuisance levels.

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use approved organic vapor respirator.

Skin Protection: Recommend impervious gloves and clothing to avoid skin contact. If material penetrates to skin, change gloves and clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

Section 9 - Physical And Chemical Properties

Boiling Range:	176 F (80 C) - 471 F (244 C)	Vapor Density:	Heavier than Air
Odor:	Mild Ammoniacal	Odor Threshold:	N/D
Appearance:	White Liquid	Evaporation Rate:	Slower Than Ether
Solubility in H2O:	Dilutable		
Freeze Point:	N/D	Specific Gravity:	1.48
Vapor Pressure:	17 @20C	PH:	8-9
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid high temperatures. Avoid freezing.

Incompatibility: None

Hazardous Decomposition Products: None are known.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D

Product LC50: N/D

Chemical Name	CAS Number	LD50	LC50
TITANIUM DIOXIDE	13463-67-7	>25 G/KG, ORAL, RAT	>6.82 MG/L 4 HR, RAT
PENTAERYTHRITOL	115-77-5	>19500 MG/KG, ORAL RAT	NOT AVAILABLE
SHORT CHAIN CHLORINATED PARAFFIN	63449-39-8	NOT AVAILABLE	NOT AVAILABLE
BUTYL BENZYL PHTHALATE	85-68-7	20400 MG/KG, ORAL, RAT	6.7 MG/L, INH,4H, RAT

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: Dispose of in accordance with State, Local, and Federal Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Not Regulated	Packing Group:	N/A
DOT Technical Name:	N/A	Hazard Subclass:	N/A
DOT Hazard Class:	None	Resp. Guide Page:	N/A
DOT UN/NA Number:	None		

Additional Notes: None.

Section 15 - Regulatory Information

CERCLA - SARA HAZARD CATEGORY

This product has been reviewed according to the EPA Hazard Categories promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name
SHORT CHAIN CHLORINATED PARAFFIN

CAS Number
63449-39-8

TOXIC SUBSTANCES CONTROL ACT

All components of this product are listed on the TSCA inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(B) Substances exist in this product

U.S. STATE REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
AMMONIUM POLYPHOSPHATE	68333-79-9
WATER	7732-18-5
VINYL ACRYLIC COPOLYMER EMULSION	TRADE SECRET

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS Number</u>
AMMONIUM POLYPHOSPHATE	68333-79-9
WATER	7732-18-5
VINYL ACRYLIC COPOLYMER EMULSION	TRADE SECRET
VINYL ACRYLIC COPOLYMER EMULSION	TRADE SECRET
MELAMINE	108-78-1

CALIFORNIA PROPOSITION 65

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS Number</u>
TITANIUM DIOXIDE	13463-67-7
MICROCRYSTALLINE SILICA	14808-60-7
CUMENE	98-82-8

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

<u>Chemical Name</u>	<u>CAS Number</u>
BUTYL BENZYL PHTHALATE	85-68-7

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2A D2B

Section 16 - Other Information

HMIS Ratings

Health: 1 **Flammability:** 0 **Reactivity:** 0 **Personal Protection:** X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED): 0

REASON FOR REVISION: Changes made in Section(s) 15.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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