Material Safety Data Sheet

Section 1: Product and Company Identification

Product Name: **ACC 75 Clear Coat-Part A**

Sold By: **Advantage Chemical Coatings LLC.**
16585 N 92nd St. Suite 106
Scottsdale, AZ 85260
877.830.COAT

FOR CHEMICAL EMERGENCY Spill, leak, fire, exposure, or accident, call 24 hours
877.830.2628

Fax Phone: **480.502.9071**

Section 2: Composition/Information on Ingredients

Hazardous Components	CAS#	ACGIH TLV	OSHA PEL
1,6 Hexamethylene Diisocyanate	28182-81-2	Not Determined	Not Determined

Section 3: Hazards Identification

Emergency Overview:

Routes of Entry:

Route	Entry Risk
Inhalation	Possible
Ingestion	Possible
Skin Contact	Possible
Eye Contact	Possible

Potential Health Effects:

Inhalation	May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals.
Ingestion	No significant signs or symptoms of any adverse health hazards.
Skin Contact	Product is a slight skin irritant. May Cause swelling and redness.
Eye Contact	Mild eye irritant. Vapors slightly uncomfortable. Splashes irritating and painful.

Acute Health Hazards: No information is available on the acute health hazards of this product. Based upon data from testing of similar products, no significant effects are expected.

Chronic Health Hazards: If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects.

Medical Conditions Generally Aggravated by Exposure: Skin and eye sensitization. Depending on individual skin sensitivity, chronic or prolonged exposure may result in irritation, blistering, burning and peeling of skin layers.

Carcinogenicity: OSHA: No data ACGIH: No data NTP: No data IARC: No data
Other:

Section 4: First Aid Measures

Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, seek medical attention.
Skin Contact:	Remove from skin immediately. Rinse with clean water for 20-30 minutes. Use soapy water if needed. If redness, itching, or a burning sensation develops, seek medical attention.
Ingestion:	Do NOT induce vomiting! Dilute with water and seek medical attention immediately.
Inhalation:	Move victim to fresh air immediately. Give oxygen and seek medical attention.

Section 5: Fire-Fighting Measures

Flammable Limits:	Not determined
Flash Point, (Method Used):	>200° Fahrenheit (Pensky Marten Closed)
Autoignition Temperature:	

NFPA Hazard Rating:

	Hazard Scale	Protective Equipment
Health:	0=LEAST	A=SAFETY GLASSES
Flammability:	1=SLIGHT	B=SAFETY GLASSES, GLOVES
Reactivity:	2=MODERATE	C=SAFETY GLASSES, GLOVES AND APRON
Other:	3=HIGH 4=EXTREME	

HMIS Hazard Rating:

Health:	2
Flammability:	1
Reactivity:	1
Protection:	

Extinguishing Media:	Foam/Carbon dioxide/Dry Chemical/Water fog
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products exist.
Unusual Fire and Explosion Hazards:	Closed containers may rupture due to build-up of pressure when exposed to extreme heat.
Hazardous Decomposition Products:	

Section 6: Accidental Release Measures

Accidental Release Measures:	Avoid contact with material. Persons not wearing appropriate protective equipment should be excluded until spill is cleaned up. Stop spill at source, pump liquid to salvage container. Remaining liquid may be taken up on clay, diatomaceous earth, or other absorbent. Treat with Decontamination Solutions: Nonionic surfactant Union Carbide's Tergitol TMN-10 (20%) and water (80%); concentrated ammonia (3-8%), detergent (2%) and water (90-95%).

Section 7: Handling and Storage

Handling & Storage Precautions:	Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Wash with soap and water before eating or drinking. Protect from moisture contamination. Exothermic generation of carbon dioxide may cause dangerous pressure. Keep away from all ignitable sources as well as extreme heat. Do not expose to excessive moisture.

Section 8: Exposure Control/Personal Protection

Ventilation:	Adequate ventilation required. Local exhaust may be required in some areas. Special exhausting generally not required. Mechanical exhaust usually adequate.
Respiratory Protection:	Respiratory masks should be worn at all times when adequate ventilation does not exist. A NIOSH/MSHA respirator is acceptable.
Eye Protection:	Chemical tight goggles; full face shield if splashing is possible.
Skin Protection:	Coveralls and impervious foot covering is recommended.
Other Protective Clothing or Equipment:	Use impervious gloves, neoprene or rubber.
Work/Hygenic Practices:	Good air flow in working area. Eyewash station and safety shower should be available. Gloves and respiratory equipment should be worn at all times.

Section 9: Physical and Chemical Properties

Appearance:	Clear/pale yellow
Odor:	Negligible
Physical State:	Liquid
ph As Supplied:	Not applicable
ph (Other):	
Boiling Point:	382° Fahrenheit
Melting Point:	Not determined
Freezing Point:	Not determined
Vapor Pressure (mmHg):	=7.5-5 mmHG @ 77° Fahrenheit for MDI
Vapor Density (Air=1):	
Specific Gravity (Water=1):	1.14 @ 77° Fahrenheit
Evaporation Rate (Butyl Acetate=1):	
Solubility in Water:	Not soluble (reacts to liberate Co2 gas)
Percent Solids by Weight:	9.5 Lb./Gal
Percent Volatile:	By Weight:Negligible By Volume:
Volatile Organic Compounds (VOC):	With Water: Without Water:
Molecular Weight:	
Viscosity:	Not Applicable

Section 10: Stability and Reactivity

Stability:	Stable
Conditions to Avoid (*Stability*):	Avoid excessive heat, open flam, sparks and strong oxidizing agents. Protect from atmospheric moisture. Replace outage with inert dry nitrogen.
Incompatibility (*Materials to Avoid*):	Avoid water, acid, base (alkalis, ammonia), alcohols, metal compounds.
Hazardous Decomposition or Byproducts:	Isocyanate vapors or mist, carbon dioxide, carbon monoxide, nitrogen oxides.
Hazardous Polymerization:	May Occur
Conditions to Avoid (Polymerization):	Avoid incompatible reactants, especially strong bases, water or temperatures over 160° Centigrade.

Section 11: Toxicological Information

Toxicological Information (Acute Toxicity):	ORAL LD50: Estimated to be greater than 10000 MG/KG (rats) DERMAL LD50: Estimated to be greater than 5000 MG/KG (rabbits) INHALATION LC50: Lower Respiratory (Pulmonary) Irritant. LC 50 Value Range from 137-1150 MG/M3 were obtained in rats exposed to aerosols. (4H EXP.) Severe irritant capable of inducing corneal injury (rabbit) Maximum primary eye irritant score: 54.6/110 for 24 hour skin effects: Moderate and Dermal. Primary dermal irritation score: 3.4/8.0 (rabbit). Pulmonary and dermal sensitizer in animals and humans.

Section 12: Ecological Information

Ecological Information:	No Data

Section 13: Disposal Considerations

Waste Disposal Method:	Dispose of according to current local, state, and federal regulations.
RCRA Hazard Class:	Non-Regulated

Section 14: Transport Information

U.S. Department of Transportation

Proper Shipping Name: Polyisocyanate

Hazard Class: Non-regulated in 55 gallon drums, NOI

ID Number:

Packing Group:

Label Statement:

Water Transportation

Proper Shipping Name:

Hazard Class: Non-regulated, NOI

ID Number:

Packing Group:

Label Statement:

Air Transportation

Proper Shipping Name:

Hazard Class: Non-regulated, NOI

ID Number:

Packing Group:

Label Statement:

Other Agencies:

Section 15: Regulatory Information

U.S. Federal Regulations

TSCA (Toxic Substance Control Act):

CERCLA (Comprehensive Response Compensation and Liability Act):

SARA Title III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories: Immediate health hazard; Delayed health hazard; Reactive hazard; Fire hazard.

313 Reportable Ingredients:

RCRA Status: When discarded in its purchased form, this product meets the criteria of ignitability, and should be managed as a hazardous waste. (EPA Hazardous Waste Number D001) (40 CFR 261.20-24)

State Regulations: Homopolymer of HDI 28182-81-2, 83%, PA, NJ. Aromatic 100 (Solvent NAPHTHA) (AR100) 64742-95-6, 4.6%, PA, NJ. N-Butyl Acetate (BA) 123-86-4, 4.6%, PA, MA, NJ. Acetate Ester 90438-79-2, 7.8%, PA, NJ. California Proposition 65 To the best of our knowledge, this product contains no levels of listed substances which the state of California has found to cause cancer, birth defects or other reproductive effects.

International Regulations:

Section 16: Other Information

Other Information:

Preparation Information:

Disclaimer: This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.

Material Safety Data Sheet

Section 1: Product and Company Identification

Product Name: **ACC 75 Clear Coat Part B**

Sold By:	**Advantage Chemical Coatings LLC.** **16585 N 92nd Street Suite 106** **Scottsdale, Arizona 85260** **877.830.COAT**
FOR CHEMICAL EMERGENCY	Spill, leak, fire, exposure, or accident, call 24 hours **877.830.2628**
Fax Phone:	**480.502.9071**

Section 2: Composition/Information on Ingredients

Hazardous Components	CAS#	ACGIH TLV	OSHA PEL
Aspartic Ester Mixture	N/A	Not Determined	Not Determined

Section 3: Hazards Identification

Emergency Overview:

Routes of Entry:

Route	Entry Risk
Inhalation	Possible
Ingestion	Possible
Skin Contact	Possible
Eye Contact	Possible

Potential Health Effects:

Inhalation	May cause nausea and respiratory tract irritation. May cause respiratory sensitization in susceptible individuals.
Ingestion	Moderately toxic, cause abdominal cramps, nausea, swelling.
Skin Contact	Product is a slight skin irritant. May Cause swelling and redness.
Eye Contact	Mild eye irritant. Vapors slightly uncomfortable. Splashes irritating and painful.

Acute Health Hazards: Acute ingestion causes burning of the mouth, throat, and stomach with abdominal pain. Acute inhalation of vapors and mist can cause nasal discharge and pain in the eyes.

Chronic Health Hazards: If misted or at high concentrations, may cause pallor, nausea, anesthetic or narcotic effects.

Medical Conditions Generally Aggravated by Exposure: Skin and eye sensitization. Depending on individual skin sensitivity, chronic or prolonged exposure may result in irritation, blistering, burning and peeling of skin layers.

Carcinogenicity: OSHA: No data ACGIH: No data NTP: No data IARC: No data

Other:

Section 4: First Aid Measures

Eye Contact:	Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, seek medical attention.
Skin Contact:	Remove from skin immediately. Rinse with clean water for 20-30 minutes. Use soapy water if needed. If redness, itching, or a burning sensation develops, seek medical attention.
Ingestion:	Do NOT induce vomiting! Dilute with water and seek medical attention immediately.
Inhalation:	Move victim to fresh air immediately. Give oxygen and seek medical attention.

Section 5: Fire-Fighting Measures

Flammable Limits:	
Flash Point, (Method Used):	202° Fahrenheit (Pensky Marten Closed)
Autoignition Temperature:	

NFPA Hazard Rating:

Health:	**Hazard Scale**	**Protective Equipment**
Flammability:	0=LEAST 1=SLIGHT	A=SAFETY GLASSES B=SAFETY GLASSES, GLOVES
Reactivity:	2=MODERATE 3=HIGH	C=SAFETY GLASSES, GLOVES AND APRON
Other:	4=EXTREME	

HMIS Hazard Rating:

Health:	2
Flammability:	1
Reactivity:	0
Protection:	

Extinguishing Media:	Foam/Carbon dioxide/Dry chemical/Water fog
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products exist.
Unusual Fire and Explosion Hazards:	Closed containers may rupture due to build-up of pressure when exposed to extreme heat.
Hazardous Decomposition Products:	

Section 6: Accidental Release Measures

Accidental Release Measures:	Standard hydrocarbon spill procedures apply to this product.

Section 7: Handling and Storage

Handling & Storage Precautions:	Prevent all skin and eye contact. Avoid breathing vapors. Re-seal partially used containers. Wash with soap and water before eating or drinking. Protect from moisture contamination. Exothermic generation of carbon dioxide may cause dangerous pressure. Keep away from all ignitable sources as well as extreme heat.

Section 8: Exposure Control/Personal Protection

Ventilation:	Adequate ventilation required. Local exhaust may be required in some areas. Special exhausting generally not required. Mechanical exhaust usually adequate.
Respiratory Protection:	Respiratory masks should be worn at all times when adequate ventilation does not exist. A NIOSH/MSHA respirator is acceptable.
Eye Protection:	Chemical tight goggles; full face shield if splashing is possible.
Skin Protection:	Coveralls and impervious foot covering is recommended.
Other Protective Clothing or Equipment:	Use impervious gloves, neoprene or rubber.
Work/Hygenic Practices:	Good air flow in working area. Eyewash station and safety shower should be available. Gloves and respiratory equipment should be worn at all times.

Section 9: Physical and Chemical Properties

Appearance:	Amber		
Odor:	Slight		
Physical State:	Liquid		
ph As Supplied:			
ph (Other):			
Boiling Point:	Not determined		
Melting Point:	Not determined		
Freezing Point:	Not determined		
Vapor Pressure (mmHg):	1.4-5 mmHG @ 77° Fahrenheit		
Vapor Density (Air=1):			
Specific Gravity (Water=1):	1.13 @ 77° Fahrenheit		
Evaporation Rate (Butyl Acetate=1):			
Solubility in Water:	Insoluble		
Percent Solids by Weight:	9 Lbs/gal		
Percent Volatile:	By Weight: Negligible	By Volume:	
Volatile Organic Compounds (VOC):	With Water:	Without Water:	
Molecular Weight:			
Viscosity:			

Section 10: Stability and Reactivity

Stability:	Stable
Conditions to Avoid (*Stability*):	Avoid excessive heat, open flam, sparks and strong oxidizing agents. Protect from atmospheric moisture. Replace outage with inert dry nitrogen.
Incompatibility (*Materials to Avoid*):	Avoid strong oxidizers, acids.
Hazardous Decomposition or Byproducts:	Carbon dioxide, carbon monoxide, nitrogen oxides.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid (Polymerization):	Avoid incompatible reactants, especially strong bases, water or temperatures over 160° Centigrade.

Section 11: Toxicological Information

Toxicological Information:	No Data

Section 12: Ecological Information

Ecological Information:	No Data

Section 13: Disposal Considerations

Waste Disposal Method:	Dispose of according to current local, state and federal regulations.
RCRA Hazard Class:	Non-Regulated

Section 14: Transport Information

U.S. Department of Transportation

Proper Shipping Name: Polyol Resin

Hazard Class: Non-regulated, NOI

ID Number:

Packing Group:

Label Statement:

Water Transportation

Proper Shipping Name:

Hazard Class: Non-regulated, NOI

ID Number:

Packing Group:

Label Statement:

Air Transportation

Proper Shipping Name:

Hazard Class: Non-regulated, NOI

ID Number:

Packing Group:

Label Statement:

Other Agencies:

Section 15: Regulatory Information

U.S. Federal Regulations

TSCA (Toxic Substance Control Act):

CERCLA (Comprehensive Response Compensation and Liability Act):

SARA Title III (Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories:

313 Reportable Ingredients:

State Regulations:

International Regulations:

Section 16: Other Information

Other Information:

Preparation Information:

Disclaimer: This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.