



WATER-BASED, HIGH-GLOSS DECORATIVE FLAKE TOP COAT

UFlek Fact Sheet

UFlek uses UGloss as a chemical resistant high gloss clear topcoat. Formulated for non-automotive floors, this water-based acrylic urethane exhibits abrasion resistance without the solvent odors associated with typical urethanes making it ideal for use in basements or other areas with limited ventilation. This product has a fast dry set time and a very long pot life.

Physical Properties

Solids by Weight: Mixed=30% (± 2%)

Solids by Volume: Mixed=24% (± 2%)

Volatile Organic Content: Less than 1.03 pounds per gallon

Recommended Film Thickness: 3-4 mils per coat wet thickness

Coverage per Gallon: 575 square feet @ 2-4 mils wet

Mix Ratio: 1 Gallon Part A to 0.83 ounces Part B by volume (154:1)

Packaging Information: This product is available in 1 gallon kits as well as 1 gallon material only packs

Shelf Life: 1 year

Finish Characteristics: High gloss (>80 at 60°@Erichsen glossmeter)

Abrasion Resistance: Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles=10mg loss

Impact Resistance: Gardner impact=50 in. lb. (passed) (direct)

Hardness: No data

Flexibility: No cracks on a 1/8 in. mandrel

Adhesion: 345 psi@elcometer (concrete failure, no delamination)

Cure Schedule: (70°F)

Pot life.....24 hrs
Tack free..... 10-20 mins
Recoat or topcoat..... 1-2 hrs
Light foot traffic..... 14-18 hrs
Full cure (heavy traffic).....3-5 days

Application Temperature: 55-100° F

Viscosity: Mixed=<100 cps

Chemical Resistance:

Table with 2 columns: Reagent and Rating. Rows include xylene (A), gasoline (A), 10% sodium hydroxide (B), 50% sodium hydroxide (B), acetic acid 5% (A), 10% sulfuric acid (B), 10% hydrochloric acid (B), 20% nitric acid (A), ethylene glycol (B).

Rating key:

A – not recommended, B – 2hr term splash spill, C – 8 hr term splash spill, D – 72 hr immersion, E – long term immersion. NOTE – extensive chemical information is available through your sales representative.

Primer: None required. Any suitable UCoat Standard finish can be coated.

DOT Classification: Not regulated

Disclaimer: The information contained herein relates only to the specific material identified. UCoat It America, LLC ("UCoat It") believes that such information is accurate and reliable as of the date of this MSDS sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information.

**UFlek® Part A**

WATER-BASED, HIGH-GLOSS DECORATIVE FLAKE TOP COAT

HMIS Codes: **H** **F** **R** **P**
 2* 1 0 G**Section 1 - Manufacturer Identification****Manufacturer's Name:** UCoat It America, LLC.
Address: 1797 Atlantic Blvd., Auburn Hills, MI 48326
Date Revised: 08-26-09**Emergency Phone:** Chemtrec - 1(800) 424-9300
Information Phone: 1(800) 826-2848
Name of Preparer: UCoat It America, LLC.**Section 2 - Hazardous Ingredients/SARA III**

Hazardous Components	Occupational Exposure Limits CAS Number	OSHA PEL	ACGIH TLV	OSHA STEL	Vapor Pressure mm Hg@Temp	Weight Percent
Polyurethane dispersion NJTSR# (3176530002)	5228P	None	None	None	N/A	
Triethylanine	121-44-8	10 ppm	10 ppm	15 ppm	N/A	
N-Methyl-2-Pyerolidone	872-50-4	100 ppm	100 ppm	100 ppm	0.5@77°F	9%
Acrylic Polymer	Non-hazardous	None	None	None	N/A	
Water	7732-18-5	None	None	None	N/A	
Acrlontrile	107-13-1	2 ppm/skin	None	10 ppm	N/A	<0.005%
Formaldehyde	50-00-0	0.75 ppm	None	2 ppm	N/A	<0.005%
Styrene	100-42-5	50 ppm	None	100 ppm	1.0@19°F	<0.5%
Glycol Ether 2 Butoxyethanol	111-76-2	25 ppm	25 ppm	None	10.0@97°F	<0.05%
Ammonium Perflouroalkyl Sulfanate	57906-42-7	0.1 mg/m ³	None	None	N/A	
Ammonium Perflouroalkyl Sulfanate	17202-41-4	None	None	None	N/A	
Antifoam Emulsion	Non-hazardous	None	None	None	N/A	

* - Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. Triethylamine (ACGIH) STEL = 15ppm, N-Methyl Pyerolindone (As recommended by UCoat It) TWA = 100 ppm.

Section 3 - Physical/Chemical Characteristics**Boiling Range:** 92°F to 396°F**Vapor Density:** N/A**Solubility in Water:** Emulsifiable Dispersion**Appearance and Odor:** Low viscosity liquid - clear**Specific Gravity (H₂O=1):** 1.0**Evaporation Rate:** N/A**Section 4 - Fire and Explosion Hazard Data****Flammable Limits in Air by Volume:** Lower: N/A Upper: N/A**Flash point:** 200°F**Method Used:** SETA Flash**Extinguishing Media:** Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog**Special Firefighting Procedures:** Toxic fumes will be evolved when this material is involved in a fire. A self-contained breathing apparatus should be available for fire fighters. Cool fire exposed containers with water.**Unusual Fire and Explosion Hazards:** None Known**Section 5 - Reactivity Data****Stability:** Stable**Conditions to Avoid:** Avoid contact with open flame and all sources of ignition and spark. Avoid temperatures below 25°F.**Incompatibility (materials to avoid):** Avoid contact with strong oxidizing agents, and mineral acids.**Hazardous decomposition or byproducts:** CO, CO₂, NOX.**Hazardous Polymerization:** Will not occur.



UFlek® Part A

WATER-BASED, HIGH-GLOSS DECORATIVE FLAKE TOP COAT

Section 6 - Health Hazard Data

Inhalation health risks and symptoms of exposure: High concentrations of vapor can cause irritation to the respiratory tract, nausea, and dizziness.

Skin and eye contact health risks and symptoms of exposure: Irritation to the skin can occur, corneal damage may occur but this effect is usually reversible as long as treatment is administered.

Skin absorption health risks and symptoms of exposure: None known.

Ingestion health risks and symptoms of exposure: Ingestion of material can cause nausea or other similar responses.

Health Hazards (Acute and Chronic): Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response.

Carcinogenicity: NTP? Yes ARC monograph? Yes OSHA regulated? Yes

This product contains very small amounts of substances that are regulated by OSHA as anticipated human carcinogens.

Medical conditions generally aggravated by exposure: Respiratory conditions or other allergic response

Emergency and first aid procedures: EYES: Flush eyes with water for at least fifteen minutes and consult a physician. SKIN: Wash affected area with soap and water and remove contaminated clothing promptly. Get medical attention if reddening or swelling occurs. INHALATION: Remove victim to fresh air area and administer oxygen if necessary. Obtain medical assistance. INGESTION: Do not induce vomiting, dilute by giving water or milk, never give anything by mouth to an unconscious person. Consult a physician immediately.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Avoid contact with material. Wear the appropriate safety equipment. Stop spill at source. Dyke area to prevent spreading. Pump liquid to salvage material. Take up remainder with clay or other absorbant and place in disposal containers.

Waste disposal method: Dispose of material in a waste disposal site in accordance with local, state and federal laws.

Precautions to be taken in handling and storing: Avoid all skin contact, avoid breathing vapors, reseal partially used containers, properly label all containers. Observe good industrial hygiene and safe working practices.

Other precautions: Mixed materials contain hazards of all the components, therefore, read the MSDS's of all the components prior to using materials.

Section 8 - Control measures

Respiratory protection: Use a NIOSH approved respirator as required to prevent over exposure to vapor in accordance with 29 CFR 1910.134.

Ventilation: Avoid breathing vapors. Ventilation must be sufficient to control vapors.

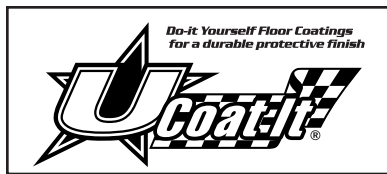
Protective gloves: Impervious - Neoprene or Rubber

Eye protection: Splash goggles or glasses with side shields.

Other protective clothing or equipment: Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Work/hygienic practices: Observe good general hygienic practices.

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UFlek® Part B

WATER-BASED, HIGH-GLOSS DECORATIVE FLAKE TOP COAT

HMIS Codes: **H** **F** **R** **P**
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Section 1 - Manufacturer Identification

Manufacturer's Name: UCoat It America, LLC.
Address: 1797 Atlantic Blvd., Auburn Hills, MI 48326
Date Revised: 08-26-09

Emergency Phone: Chemtrec - 1(800) 424-9300
Information Phone: 1(800) 826-2848
Name of Preparer: UCoat It America, LLC.

Section 2 - Hazardous Ingredients/SARA III

Hazardous Components	Occupational Exposure Limits			ACGIH TLV	OSHA STEL	Vapor Pressure mm Hg@Temp	Weight Percent
	CAS Number	OSHA PEL					
Polyfunctional Azirind Crosslinker	64265-57-2	None		None	None	None	N/A

* - Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 312.

Section 3 - Physical/Chemical Characteristics

Boiling Range: N/A

Vapor Density: N/A

Solubility in Water: Partially soluble

Appearance and Odor: Amber Clear Liquid

Specific Gravity(H₂O=1): 1.1

Evaporation Rate: N/A

Section 4 - Fire and Explosion Hazard Data

Flammable Limits in Air by Volume: Lower: N/A Upper: N/A

Flash point: 267°F

Method Used: SETA Flash

Extinguishing Media: Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog

Special Firefighting Procedures: Toxic fumes will be evolved when this material is involved in a fire. A self-contained breathing apparatus should be available for fire fighters. Cool fire exposed containers with water.

Unusual Fire and Explosion Hazards: None known

Section 5 - Reactivity Data

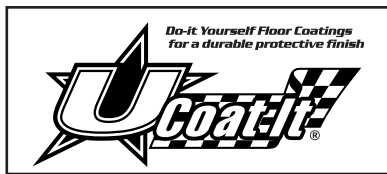
Stability: Stable

Conditions to Avoid: Avoid contact with open flame and all sources of ignitions and spark. Avoid contact with moisture or acidic materials.

Incompatibility (materials to avoid): Avoid contact with strong oxidizing agents and mineral acids

Hazardous decomposition or byproducts: CO, CO₂, NOX

Hazardous Polymerization: Will not occur.



UFlek® Part B

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Section 6 - Health Hazard Data

Inhalation health risks and symptoms of exposure: High concentrations of vapor can cause irritation to the respiratory tract, nausea, and dizziness.

Skin and eye contact health risks and symptoms of exposure: Will cause burns to the eyes. High vapor concentrations can cause severe irritation to the eyes as well as reddening or tearing. This product is a mild skin irritant that may cause skin irritation.

Skin absorption health risks and symptoms of exposure: None known.

Ingestion health risks and symptoms of exposure: Liquid can cause severe damage to mucous membranes if swallowed.

Health Hazards (Acute and Chronic): Prolonged or repeated exposure may cause asthma and skin sensitization of other allergic responses. Effects of chronic exposure has shown in testing, a mildly positive response in the Ames Mutagenicity screening tests (Ames Salmonella test.)

Carcinogenicity: NTP? No ARC monograph? No OSHA regulated? No

*No listed ingredients of this product are regulated as carcinogens

Medical conditions generally aggravated by exposure: Respiratory conditions or other allergic response as well as pre-existing skin and eye disorders may be aggravated.

Emergency and first aid procedures: EYES: Flush eyes with water for at least fifteen minutes and consult a physician. SKIN: Wash affected area with soap and water and remove contaminated clothing promptly. INHALATION: Remove victim to fresh air area and administer oxygen if necessary. Obtain medical assistance. INGESTION: Do not induce vomiting, dilute by giving water or milk, never give anything by mouth to an unconscious person. Consult a physician.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Avoid contact with material. Wear the appropriate safety equipment. Stop spill at source. Dyke area to prevent spreading. Pump liquid to salvage material. Take up remainder with clay or other absorbant and place in disposal containers.

Waste disposal method: Dispose of material in a waste disposal site in accordance with local, state and federal laws.

Precautions to be taken in handling and storing: Store in cool dry place, seal all partially used containers, wash with soap and water before eating, drinking, smoking or using toilet facilities. Properly label all containers.

Other precautions: Mixed materials contain hazards of all the components, therefore, read the MSDS's of all the components prior to using materials.

Section 8 - Control measures

Respiratory protection: Use a NIOSH approved respirator as required to prevent over exposure to vapor in accordance with 29 CFR 1910.134.

Ventilation: Avoid breathing vapors. Ventilation must be sufficient to control vapors.

Protective gloves: Impervious - Neoprene or Rubber

Eye protection: Splash goggles or glasses with side shields.

Other protective clothing or equipment: Wear body covering clothing and other coverings as necessary such as apron and appropriate footwear to avoid contact with material.

Work/hygienic practices: Observe good general hygienic practices.

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