

SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

MANUFACTURER'S NAME
 Advantage Coatings Technology
 1533 Arthur Avenue
 Unit B
 Louisville, Colorado 80027-3054

EMERGENCY TELEPHONE
 Chemtrec U.S.-Canada: 800-424-9300
 Chemtrec International: 703-527-3887
 Information: 303-499-1310
 Fax: 720-536-8365

Safety Data Sheet Competent Person: Kevin Durling

info@actfinish.com


DATE PREPARED: February 5, 2014

REVISION DATE: February 12, 2015

PRODUCT NAME: **TOP KNOT Part A
 SEMIGLOSS, SATIN**

FORMULA: Preparation/Mixture
 PRODUCT USE: Hardwood floor finish

Section 2: Hazards Identification

GHS Hazard Class		Toxic to Reproduction—Category 1	
Signal word:		Danger	
Hazard Statement:		H360D	May damage fertility or the unborn child
Precautionary Statements:	Prevention	P201	Obtain special instruction before use.
		P202	Do not handle until all safety precautions have been read and understood.
	Response	P280	Wear protective gloves/protective clothing; eye protection/face protection
		P308 + P313	If exposed or concerned: Get medical attention/advice.
Storage	P405	Store locked up.	
	Disposal	P501	Waste from Residues and Unused Products: Follow the waste disposal requirements of your country, state, or local authorities.

HAZARD CLASSIFICATION: Not classified as hazardous based on IATA, IMDG, and DOT.
 FIRE AND EXPLOSION: Not considered flammable or combustible, but this product will burn if involved in a fire. Product emits toxic fumes when burned.
 POTENTIAL HEALTH EFFECTS: <1 % of mixture consists of ingredients of unknown acute toxicity
 INGESTION: May be harmful if swallowed.
 INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.
 SKIN CONTACT: May cause skin irritation.
 EYE CONTACT: Eye irritation may result.
 OTHER: None
 CHRONIC EFFECTS OF OVEREXPOSURE: None
 APPEARANCE: White liquid

NFPA Rating:

Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
Top Knot Part A	1	1	0	--



Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPRX %	ACGIH TLV	OSHA PEL	NIOSH REL	CAS NO.	EINECS/ELINCS	DANGER SYMBOL	RISK PHRASE	DSL CANADA
P-series glycol ether	1-10	-----	-----	-----	111109-77-4	N/N	-----	-----	Y
P-series glycol ether	1-10	100 ppm 150 ppm STEL	100 ppm 150 ppm STEL	-----	34590-94-8	Y/N	-----	-----	Y
N-Methyl-2 pyrrolidone	<5	-----	-----	-----	872-50-4	212-828-1	Xi	R61, 36/37//38	Y

Trade Secret (TS) Some items on this MSDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13. The full text for all R-Phrases is shown in Section 16.

Section 4: First Aid Measures

INHALATION: Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.

SKIN CONTACT: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

INGESTION: If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

Section 5: Fire-fighting Measures

FLASH POINT: None

FLAMMABLE LIMITS IN AIR (% by vol): Not measured

EXTINGUISHING MEDIA: Foam, Dry Chemical Powder, or Carbon Dioxide

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

- Wear proper protective equipment as specified in Section 8: Exposure Controls/Personal Protection
- Warn other workers of spill and contain spill.
- Recover spill by using absorbent and sweeping up waste material.
- In case of large spills, dike the spill, if possible. Call emergency services.
- Place material into a chemical waste container.
- Eliminate all sources of ignition and ventilate area.
- Prevent spills or contaminated rinse water from entering sewers or watercourses.

DISPOSAL METHOD: disposal should be made in accordance with federal, state, and local regulations. Incineration is recommended.

Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- Store upright in a cool place below 15-25 °C (60-80 °F)
- Keep container closed when not in use.
- Keep away from heat and flame.
- Wear proper protective equipment and avoid contact with skin, eyes, or clothing.
- Wash hands after handling this material.



Follow all applicable local regulations for handling and storage.
Utilize chemical segregation.

INFORMATION ON EMPTIED CONTAINER

Dispose of this container according to local, state, and federal laws in your country.
Do not reuse this container. This container may be hazardous when emptied.

SPECIFIC USES:

This product is a hardwood floor finish.

Section 8: Exposure Controls/Personal Protection

VENTILATION:

Always provide good general, mechanical room ventilation where this chemical/material is used.

SPECIAL VENTILATION CONTROLS:

Use this material inside totally enclosed equipment, or use it with local exhaust ventilation at points where vapors can be released into the workspace air.

RESPIRATORY PROTECTION:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or the CEN European Standards (EU). Use a NIOSH/MSHA or European Standard (EN) approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

PROTECTIVE GLOVES:

Neoprene, butyl, or nitrile rubber gloves are recommended.

EYE PROTECTION:

Recommend eye protection using safety glasses or goggles.

SKIN PROTECTION:

Suitable protective clothing to prevent skin contact

WORK/HYGIENE PRACTICES:

Avoid breathing vapor. Avoid contact with eyes. Wash hands after handling.

EXPOSURE LIMITS

Reference Section 2

OTHER EQUIPMENT:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

Section 9: Physical and Chemical Properties

APPEARANCE - COLOR:

White

PHYSICAL STATE:

Liquid

ODOR:

Slight ammonia odor

PRODUCT CRITERIA

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ODOR THRESHOLD	Not applicable for product
PH	8-9
FLASH POINT:	Not applicable for product
LOWER EXPLOSIVE LIMIT; UPPER EXPLOSIVE LIMIT	Not applicable for product
FLAMMABILITY (Solid, gas)	Not flammable
EXPLOSIVE PROPERTIES	Not applicable for product
OXIDIZING PROPERTIES	Not applicable for product
SPECIFIC GRAVITY (@25 °C):	1.04 Kg/L
EVAPORATION RATE:	Less than n-butyl acetate
% VOLATILE by Weight	66
PARTITION COEFFICIENT	Not applicable for product
AUTO IGNITION TEMPERATURE	Not applicable for product
DECOMPOSITION TEMPERATURE	Not applicable for product
BOILING POINT:	Not applicable for product
MELTING POINT:	>212 °F
VAPOR PRESSURE	Not applicable for product
VAPOR DENSITY (AIR = 1)	Heavier than air
SOLUBILITY IN WATER:	Miscible
WATER SOLUBILITY IN THE SOLVENT	Not applicable for product
FREEZING POINT:	Not applicable for product
VISCOSITY	20-25 seconds Ford #4 cup
VOC CONTENT	Less than 275 grams/Liter

Section 10: Stability and Reactivity

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Avoid heat. Closed containers may explode due to build up of pressure.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong acids and bases. High temperatures or freezing. At 212 °F phase separation and possible coagulation.
HAZARDOUS DECOMPOSITION PRODUCTS:	Heating to decomposition may generate Carbon monoxide and carbon dioxide, oxides of nitrogen.
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11: Toxicological Information

There is no toxicological information available for the product mixture.

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
Acute Toxicity	LD50 Oral Rat	>2000 mg/kg		Polymer 1
	LD50 Dermal Rabbit	9510 mg/kg		P series glycol ethers
	LC50 Inhalation Rat	552 ppm	7 hours	P series glycol ethers
	LD50 Oral Rat	3300 mg/kg		P series glycol ethers
	LD50 Dermal Rabbit	>2000 mg/kg		P series glycol ethers
	LC50 Inhalation Rat	>792 ppm 4 hours		P series glycol ethers
	LD50 Oral Rat	3914 mg/kg		NMP
	LD50 Dermal Rabbit	8000 mg/kg		NMP
	LDLO Inhalation Rat	>5100 ppm	4 hours	NMP
Skin Corrosion/Irritation				
Serious Eye Damage / Eye Irritation	EYE-RABBIT:	Irritation		NMP
Respiratory or Skin Sensitization		No information is available.		
Germ Cell Mutagenicity		No information is available.		
Carcinogenicity		Not listed	NTP	
		Not listed	IARC	
		Not listed	OSHA	
Reproductive Toxicity	Teratogenicity	Damage to fetus		NMP
STOST -- Single Exposure	Inhalation:	May cause respiratory irritation		P series glycol ethers
	Inhalation	May cause respiratory irritation		NMP
STOST – Repeated Exposure		No information is available.		
Aspiration Hazard		No information is available.		
Ames test		No information is available.		

STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION:

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Section 12: Ecological Information

BIODEGRADATION:	No information is available.	
BIOACCUMULATION:	No information is available.	
ECO TOXICITY:	LC50 – >500 mg/kg based on analogy to similar products	Polymer 1
	LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h	NMP
	EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 24 h	NMP
	LC50 - other fish - 4,000 mg/l - 96 h	NMP
	LC50 / 96 HOURS Pimephales promelas (fathead minnow) 10,000 mg/l	DPM
	LC50 / 48 HOURS Daphnia magna. 1,919 mg/l (nominal)	DPM
	EC50 / 72 HOURS Selenastrum capricornutum (green algae) 1,000 mg/l	DPM
	EC10 / Pseudomonas putida cell growth 4,168 mg/l (nominal)	DPM
MOBILITY:	No information is available.	

Note: Not all of the ingredients have been tested for Ecotoxicity.

Section 13: Disposal Considerations

WASTE FROM RESIDUES / UNUSED PRODUCTS:

Follow the waste disposal requirements of your country, state, or local authorities.

CONTAMINATED PACKAGING:

Recommend contaminated packaging material should be disposed of as stated above for residues and unused product.

RINSATE: Do not dispose of rinse water containing product in a sanitary sewer system or storm water drainage system.

Section 14: Transport Information

<u>DOT TRANSPORT:</u>		Not Regulated
<u>ADR = International Carriage of Dangerous Goods by Road</u>		Not Regulated
<u>RAIL TRANSPORT:</u>		Not Regulated
<u>SEA TRANSPORT:</u>	IMDG	Not Regulated
<u>AIR TRANSPORT:</u>	IATA/ICAO	Not Regulated

Section 15: Regulatory Information

Directive 1999/45/EC

LABEL FOR SUPPLY:



IRRITANT

RISK PHRASES:

R-Phrase:	R36	Irritating to Eyes
	R38	Irritating to Skin
S-Phrase:	S24	Avoid contact with Skin
	S25	Avoid contact with Eyes

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are listed on the TSCA Inventory.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: N-methyl-2-pyrrolidone

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.
The California proposition 65 chemical(s) contained in this product are: N-methyl-2-pyrrolidone

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts's hazardous substance(s):	DPM, N-methyl-2-pyrrolidone
Pennsylvania hazardous substance code(s):	DPM, N-methyl-2-pyrrolidone
New Jersey	DPM, N-methyl-2-pyrrolidone
Illinois	Not listed
Michigan	Not listed

CANADA:



This MSDS/SDS will be non-compliant 3 years after the issue date. This MSDS contains all of the information required by the Controlled Products Regulations (CPR).

WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, Current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to be WHMIS controlled.

NMP:

B3 - Flammable and combustible material - Combustible liquid

D2B - Poisonous and infectious material - Other effects - Toxic

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Directive 1999/45/EC, Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP) of substances and mixtures.

WGK: 0 (German Federal Water Management Act) (Water Hazard Class)

Section 16: Other Information

European Community Hazards Identification:

R: R36/37/38 Irritating to eyes, respiratory system and skin.

R: 61 May cause harm to the unborn child.

S: 45 In case of accident or if you feel unwell, seek medical advice immediately

Danger Symbol(s): T Toxic

Revision Comments: Initial version February 15, 2014

Revision Number: 1

Information Sources: RTECS, REACH, OSHA 29CFR 1910.1200

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