

SAFETY DATA SHEET

UPC 7001 Hybrid Standard Part A

SDS REVISION DATE: 05/05/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hybrid Standard Part A

MANUFACTURER: Universal Polymer Coatings, Inc.
DIVISION: Floor Coating
ADDRESS: 737 W. Taft Avenue, Orange CA 92865

EMERGENCY PHONE: 800-255-3924
CHEMTEL PHONE: 800-255-3924
OTHER CALLS: 714-279-1199
FAX PHONE: 714-279-8070

PRODUCT USE: Floor Coating
PREPARED BY: Universal Polymer Coatings, Inc.

SECTION 2: HAZARDS IDENTIFICATIONS

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
GHS-US CLASSIFICATION

Acute Toxicity – Inhal 4
Eye Irritation 1
Skin Sens 1
STOT-Single Exposure Resp 3
Haz – Aquatic 4

LABEL ELEMENTS:
GHS LABEL ELEMENTS
HAZARD PICTOGRAMS:



SIGNAL WORD: Warning

HAZARD STATEMENTS:
H317 May cause an allergic skin reaction
H412 Harmful to aquatic life with long-lasting effects.

PRECAUTIONARY STATEMENTS:

PREVENTION: P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection

RESPONSE: P370+P378 In case of fire, use water spray, carbon dioxide, dry chemical or foam for extinction
P303+P361+P353 IF ON SKIN (or hair), remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P311 IF SWALLOWED, immediately call a POISON CENTER or doctor/physician
P305+P351+P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs, get medical advice/attention.
P337+P313 If eye irritation persists, get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool

DISPOSAL: P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

OTHER HAZARDS:

None known

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
• Aspartic Acid, N, N'-[methylenebis(2-methyl-4,1-Cyclohexanediyl)]bis-, 1,1',4,4"-tetraethyl ester	136210-32-7	50%
• Aspartic Acid, N, N'-(methylenedi-4,1-cyclohexanediyl) bis-, 1,1',4,4'-tetraethyl ester	136210-30-5	40%
• Aldimine, blocked cycloaliphatic diamine	54914-37-3	3-6%
• VOC Exempt Solvents	N/A	2%

Any remaining components are trade secret.

SECTION 4: FIRST AID MEASURES

INHALATION:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
SKIN:	In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Thoroughly clean shoes before reuse. Wash clothing and other apparel before reuse.
EYES:	In case of contact, flush eyes with plenty of lukewarm water. Use fingers to ensure that eyelids are separated and the eye is being irrigated. Get medical attention.
INGESTION:	If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	No data available
NOTES TO PHYSICIANS/SPECIAL TREATMENT:	If seeking medical attention, provide SDS document to physician..

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Use carbon dioxide foam and dry chemical. Use water spray to keep fire-exposed containers cool. Unsuitable Extinguishing Media: High volume water jet.
SPECIFIC (UNUSUAL) HAZARDS:	Wear protective clothing and self-contained breathing apparatus to protect against potential toxic and irritating fumes. Cool exposed containers with water spray. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Hazardous Combustion Products: carbon dioxide, carbon monoxide, oxides of nitrogen, and unidentified compounds.
ADVICE FOR FIRE-FIGHTERS:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Closed container may forcibly rupture under extreme heat. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Toxic gases/fumes may be given off during burning or thermal decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Wear appropriate personal protective equipment. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
ENVIRONMENTAL PRECAUTIONS:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways or soil).

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METHODS AND MATERIAL FOR

CONTAINMENT AND CLEANING UP: Cleanup personnel must use appropriate personal protective equipment. Evacuate and keep unnecessary personnel out of spill area. Remove all sources of ignition, including flames, heat, and sparks. Stop leak if without risk. Move containers from spill area. Dike or dam spilled material with non-combustible, absorbent material (e.g., sand, earth, vermiculite or diatomaceous earth) and control further spillage, where possible. Collect and place spilled material in container for proper disposal according to appropriate local, state and federal regulations. Do not allow spilled material or wash water to enter sewers, surface waters or groundwater systems. Use grounded or non-sparking tools and equipment. Wash spill area with soap and water. Dispose any waste according to appropriate local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not breathe vapors or spray mist. Avoid contact with eyes or skin. Avoid contact with clothing. Use only with adequate ventilation and personal protection. Remove contaminated personal protective equipment (PPE), then wash hands and face thoroughly after handling and before eating and drinking. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not get in eyes, on skin or on clothing. Do not ingest. Avoid release to the environment.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Storage period is 6 months after delivery. Maximum storage temperature is 30°C (86°F). Keep away from food products during use and storage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved or reactive containers. Use appropriate containment to avoid environmental contamination. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.

Hazardous polymerization does not occur. Avoid strong oxidizing agents, acids, isocyanates.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Chemical Name	Result	ACGIH/OSHA
Aspartic Acid, N, N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-, 1,1',4,4'-tetraethyl ester	STLs	None established
	TWAs	None established
Aspartic Acid, N, N'-(methylenedi-4,1-cyclohexanediyl) bis-, 1,1',4,4'-tetraethyl ester	PEL	None established

ENGINEERING MEASURES:

General dilution and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards and guidelines.

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid release to the environment. Construct a dike to prevent spreading of spills.

HYGIENE MEASURES:

Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION



EYE PROTECTION:

Use chemical resistant goggles. Chemical safety goggles in combination with a full face shield must be used if a splash hazard exists.

SKIN PROTECTION:

Wear rubber or plastic apron and permeation resistant clothing, chemical-resistant gloves, and long-sleeved shirts, and pants. Remove and wash contaminated clothing before re-use.

HAND PROTECTION:

Use permeation resistant gloves such as butyl rubber, nitrile rubber, or neoprene.

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RESPIRATORY PROTECTION: In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use positive pressure supplied air respirator when airborne concentrations are not known, when airborne solvent levels are 10 times the appropriate LTV, and when spraying is performed or product is applied by aerosol in a confined space or area with limited ventilation

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical state	Liquid
Color	Colorless

ODOR: Slight inherent odor

ODOR THRESHOLD: No data available

pH: No data available

MELTING POINT: No data available

BOILING POINT: @ >328° F, (>200 °C)

FLASH POINT: @ 165° F, (74 °C)

EVAPORATION RATE: No data available

FLAMMABILITY (solid, gas): No data available

FLAMMABILITY LIMIT IN AIR

Upper: No data available

Lower: No data available

VAPOR PRESSURE: No data available

WATER SOLUBILITY: Insoluble

RELATIVE VAPOR DENSITY: No data available

RELATIVE DENSITY: No data available

PARTITION COEFFICIENT: No data available

AUTO-IGNITION TEMP: No data available

DECOMP TEMP: No data available

VISCOSITY: No data available

MOLECULAR WEIGHT: No data available

SPECIFIC GRAVITY: 1.06 ± .01

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur

CONDITIONS TO AVOID: Extreme heat

MATERIAL TO AVOID: Strong oxidizing agents, acids, and isocyanates

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide, carbon monoxide, oxides of nitrogen, other undetermined compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LIKELY ROUTES OF EXPOSURE

Effects on Eye: Prolonged contact can cause reddening, swelling and a rash. Use only with adequate ventilation.

Effects of Skin: May cause skin sensitization.

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Inhalation Effects: Long term exposure of vapors/ mists may be damaging to upper respiratory tract. Use only with adequate ventilation.

Ingestion Effects: Not considered to be a relevant route of exposure, however, may cause severe and permanent damage to mouth, throat and stomach. High amounts could be fatal! Do not induce vomiting!
CONTACT MEDICAL ASSISTANCE IMMEDIATELY!

ACUTE TOXICITY Acute Toxicity – Component(s):

Oral:	LD50: >2,000 mg/kg	Species: Rat
Inhalation:	LC50: >4,224 mg/l, 4h	Species: Rat
Dermal:	LD50: >2,000 mg/kg	Species: Rat
Skin corrosion/irritation:	None (Rabbit, 24h)	
Eye damage/irritation:	No data available	
Sensitization to respiratory:	No data available	
Skin sensitisation:	Positive (Guinea Pig)	

CHRONIC TOXICITY OR EFFECTS FROM LONG TERM EXPOSURES

Carcinogenicity: No data available

Reproductive toxicity: No data available

Germ cell mutagenicity: No data available

Specific target organ systemic toxicity:

Single exposure:	No data available
Repeated exposure:	No data available

Aspiration hazard: No data available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Aquatic toxicity:

Toxicity to Fish – Component(s):	LC50 66 mg/l, 96h	Species: Danio rerio (zebra fish)
Toxicity to Aquatic Invertebrates – Component(s):	LC50 88.6 mg/l, 96h	Species: Daphnia magna (water flea)
Toxicity to Aquatic Plants – Components(s):	ErC50 113 mg/l	Species: algae
Toxicity to other organisms – Components(s):	EC50: 3,110 mg/l, 3h	Bacteria

PERSISTENCE AND DEGRADABILITY

Biodegradability: Not readily degradable

Mobility in soil: No data available

Bioaccumulation: Bioaccumulation ca. 8,228 BCF

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose in accordance with Federal, State, and Local laws and regulation. The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration of landfill should only be considered when recycling is not feasible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Do not heat or cut container with electric or gas torch. Recondition of dispose of empty container in accordance with governmental laws and regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT: Not regulated
Marine pollutant: Yes

IATA: Not regulated
Marine pollutant: Yes

IMDG: Not regulated
Marine pollutant: Yes

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): None

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
CANADA	DSL	Included on Inventory
AUSTRALIA	AICS	Included on Inventory
JAPAN	ENCS	Included on Inventory
SOUTH KOREA	ECL	Included on Inventory
CHINA	SEPA	Included on Inventory
PHILIPPINES	PICCS	Included on Inventory

EPA SARA Title III Section 311/312 Hazard Classification: None

EPA SARA Title III Section 313 (40 CFR 372) Component(s): None

EPA SARA Title III Section 302 Extremely Hazardous Substances TPQs: None

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): None

State Right-To-Know: California, Massachusetts, New Jersey, Pennsylvania

SECTION 16: DISCLAIMER

OTHER INFORMATION

HMIS Rating:

Health: 2

Flammability: 1

Physical Hazard: 0

DISCLAIMER: The information herein is given in good faith, but no warranty expressed or implied is made. Universal Polymer Coatings, Inc. urges suppliers and users of this product to evaluate its suitability and compliance with local regulations as Universal Polymer Coatings, Inc. cannot foresee the nature of the final application or final location of usage.