S A F E T Y D A T A S H E E T

DP 2545 **WHITE, PROTECTIVE COATING**

========== SECTION I – PRODUCT AND COMPANY IDENTIFICATION ==========

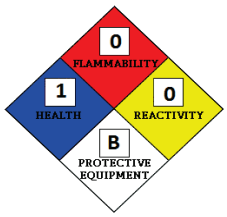
PRODUCT NAME: WHITE, PROTECTIVE COATING
PRODUCT CODE: DP 2545

MANUFACTURERS' NAME: DESIGN POLYMERICS

ADDRESS: 3301 W. Segerstrom Ave.
Santa Ana, CA 92704

HMIS	
Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

EMERGENCY PHONE: Chem-Tel: (800) 255-3924 (24 Hrs)
BUSINESS HOURS: 7:30am – 4:30pm PT
CONTRACT NUMBER: MIS0005056
REVISION DATE: MAY 26, 2015
INFORMATION PHONE: (714) 432-0600
REVISION #: 9.0
PREPARED BY: Technical Dept. Supersedes all previous
DOT HAZARD CLASS: Not Hazardous UN Number N/A
SHIPPING NAME: N/A Packing Group N/A



========== SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION ==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
* Barium Metaborate Monohydrate TLV/TWA: 0.5 mg/m^3	13701-59-2	N/A	N/A	5-10 %

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372

========== SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS ==========

CAS #	Trade secret Y/N	Chemical Name	Comment
Proprietary Blend	YES		

========== SECTION IV – FIRST AID MEASURES ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Adverse health effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, and respiratory tract and symptoms of headache and nausea.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: EYES: In direct contact, may cause irritation. SKIN: Prolonged and repeated contact with product may cause skin irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Redness, drying of the skin, or other signs of irritation or contact dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC): ACUTE: May cause irritation to skin and eyes, gastrointestinal irritation, nausea, and vomiting. CHRONIC: Prolonged or repeated exposure above TLV may result in permanent brain and nervous system damage.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May be aggravating to some skin and respiratory conditions, and to pre-existing liver and/or kidney disorders.

========== SECTION V - FIRE-FIGHTING MEASURES ==========

FLASH POINT: Not Applicable
METHOD USED: Not Applicable
FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: N/A
UPPER: N/A

EXTINGUISHING MEDIA: The product will only burn after the water it contains is driven off. For dried film use water, foam, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: When dried polymer burns, carbon dioxide (CO_2), carbon monoxide (CO) and smoke are produced. Firefighters should wear self-contained breathing apparatus, especially in enclosed areas. Cool containers and minimize vapors with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers exposed to high temperatures may explode or burst due to build-up of steam pressure.

========== SECTION VI – ACCIDENTAL RELEASE MEASURES ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike, contain, or absorb with inert absorbent material. Collect spilled material in a salvage container. Prevent spill from entering sewers, drains, streams, waterways, or other bodies of water.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

========== SECTION VII – HANDLING AND STORAGE ==========

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: **DO NOT ALLOW TO FREEZE.** Store in a cool dry location away from heat. Keep containers tightly closed and store with adequate ventilation.

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. Avoid inhalation of excess vapors, ingestion, and unnecessary, prolonged, or repeated contact with this and any other chemical. Change soiled work clothes frequently. Clean hands after handling. KEEP OUT OF REACH OF CHILDREN.

========== SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION ==========

RESPIRATORY PROTECTION: Not required under normal conditions. Provide sufficient ventilation to maintain constant fresh air in workspace. If TLV is exceeded, use NIOSH/MSHA approved organic vapor and mist, supplied air, or self-contained breathing apparatus. Avoid breathing sanding dust.

VENTILATION: Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.

SKIN PROTECTION (PROTECTIVE GLOVES): Wear resistant gloves such as polyethylene.

EYE PROTECTION: Use chemical splash goggles or OSHA permitted safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear impervious clothing. Eye wash station.

WORK / HYGENIC PRACTICES: Source of clean water should be available for flushing eyes and washing skin. Wash thoroughly after handling any chemicals, especially before eating, drinking, or smoking. Remove and launder contaminated clothing before reuse.

========== SECTION IX - PHYSICAL / CHEMICAL PROPERTIES ==========

PHYSICAL FORM: Mobile Liquid
COLOR: White
ODOR: Mild, sweet
pH: 8.0-9.5
SOLUBILITY IN WATER: Miscible
SPECIFIC GRAVITY (H_2O=1): 1.2-1.3
BOILING POINT: 212ºF
% VOLATILES BY WEIGHT: 30-50 (Water)
FREEZING POINT: 32° F (0° C)
VISCOSITY (cps): approx. 3,000-6,500
COATING V.O.C.: 2 g/l

========== SECTION X – STABILITY AND REACTIVITY DATA ==========

STABILITY: Stable at ambient temperatures.

CONDITIONS TO AVOID: Coagulation may occur after freezing, thawing, or boiling.

INCOMPATIBILITY (MATERIALS TO AVOID): Metal salts, mineral acids (i.e. sulfuric, phosphoric, etc.) Strong oxidizing agents. Strong reducing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials on thermal decomposition including Carbon monoxide (CO), Carbon dioxide (CO_2), and various hydrocarbons. Under fire conditions, this product will release hydrogen chloride gas.

========== SECTION XI – TOXICOLOGICAL INFORMATION ==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Adverse health effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, and respiratory tract and symptoms of headache and nausea.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: EYES: In direct contact, may cause irritation. SKIN: Prolonged and repeated contact with product may cause skin irritation.

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CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May be aggravating to some skin and respiratory conditions, and to pre-existing liver and/or kidney disorders.

========== SECTION XII – ECOLOGICAL INFORMATION ==========

Ecotoxicity: No ecotoxicity date was found for the product
Environmental Fate: No environmental information found for this product

========== SECTION XIII – DISPOSAL CONSIDERATIONS ==========

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines

========== SECTION XIV – TRANSPORT INFORMATION ==========

U.S. DOT HAZARD CLASS:	Non-Regulated.	UN Number	N/A
Shipping Name	N/A	Packing Group	N/A

========== SECTION XV –REGULATORY INFORMATION ==========

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW (SARA TITLE III):

Section 302 Categorizations - Extremely Hazardous Substances List: No components of this product are listed.

Section 311/312 Categorizations (40 CFR 370): Immediate (Acute) Health Hazard.

Section 313 Information (40 CFR 372) – Toxic Chemicals List: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

Component	CAS#	% by Weight
Barium metaborate monohydrate	13701-59-2	5-10%

Toxic Substances Control Act (TSCA): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

CERCLA INFORMATION (40cfr 302.4): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): This product may contain trace amounts of chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
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========== SECTION XVI –OTHER INFORMATION ==========

MSDS Creation Date: MAY 26, 2015
MSDS Revision Date: MAY 26, 2015
MSDS Revision Notes: 16 section SDS
MSDS Author: Technical Department

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