

MATERIAL SAFETY DATA SHEET



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ResoCoat 301

CAS Number: Mixture

PRODUCT NUMBERS: -1 White Topcoat, -2 Black topcoat, -3 Blue Topcoat, -4 Cayman Green Topcoat, -5 Buff topcoat, -6 Smoke topcoat

PRODUCT DESCRIPTION: Resodyn ResoCoat 301 is a copolymer thermoplastic powder coating material for concrete, metal, and composite surfaces that provides excellent interior and exterior waterproof barrier performance for exposure to sunlight, extreme temperatures, and wear.

MANUFACTURERS NAME:

Resodyn Engineered Polymeric Systems

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Butte, Montana 59701

(406) 497-5288 Business Phone#

(406) 497-5206 Fax#

(406) 497-5289 Emergency Phone#

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2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>OSHA PEL (TWA)</u>	<u>ACGIH TWA</u>
Olefin Copolymer	PROPRIETARY	37433-35-5	Not Listed	Not Listed
50µm Alumina	PROPRIETARY	1344-28-1	Not Listed	Not Listed
Phenoxy Resin	PROPRIETARY	26402-79-9	Not Listed	Not Listed
Pigment	PROPRIETARY	136463-67-7	15 MG/M3 TWA	10 MG/M3 TWA
Pigment	PROPRIETARY	147-14-8	Not Listed	Not Listed
Pigment	PROPRIETARY	1328-53-6	Not Listed	Not Listed
Pigment	PROPRIETARY	51274-00-1	10 ppm	5 mg/m3

Balance of ingredients are non-hazardous as defined by OSHA 29 CFR 1910.1200 or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

CALIFORNIA PROP 65: This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

MATERIAL SAFETY DATA SHEET

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING! HARMFUL IF SWALLOWED. PROLONGED CONTACT CAN CAUSE EYE AND SKIN IRRITATION.

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Eyes, Inhalation, Ingestion.

TARGET ORGANS: None Known

INHALATION: Inhalation of dusts may cause respiratory irritation.

INGESTION: May cause irritation to the mouth, throat, and abdomen. May also cause nausea or vomiting.

SKIN CONTACT: Prolonged contact may cause irritation.

EYE CONTACT: Contact with the eyes may cause irritation.

CHRONIC EXPOSURE: No known chronic health effects.

AGGRAVATION OF PRE-EXISTING CONDITIONS: None known

4. FIRST AID MEASURES

INHALATION FIRST AID: If individual develops breathing difficulties, remove to fresh air and seek medical attention if breathing difficulties continue.

SKIN CONTACT FIRST AID: Use good hygiene practices and wash skin with soap and water after handling.

EYE CONTACT FIRST AID: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. Get medical attention immediately.

INGESTION FIRST AID: Induce vomiting ONLY as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice immediately.

NOTE TO PHYSICIANS: Treat symptoms.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Not Established

AUTO IGNITION TEMPERATURE: Not Applicable

FLASH POINT: Non-Flammable

FLAMMABLE LIMITS IN AIR, % by Volume: lel: NA.; uel: NA

EXTINGUISHING MEDIA: Use fire extinguishing materials appropriate for surrounding fire including water spray, dry extinguishing media, foam.

FIRE & EXPLOSION HAZARDS: This is a mixture and not considered to be a fire and explosion hazard.

SPECIAL INFORMATION:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES: Maintain adequate ventilation. Contain and recover if possible. Sweep or vacuum up spilled material and place in appropriate closed container for re-use or disposal.. Always dispose of wastes in accordance with local, state and federal regulations.

MATERIAL SAFETY DATA SHEET

7. HANDLING AND STORAGE

RECOMMENDED STORAGE CONDITIONS: Protect against physical damage. Store containers in a cool, dry location. Observe all warnings and precautions listed for the product.

HANDLING (PERSONNEL): Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, mouth.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS: See Section 2 above.

VENTILATION SYSTEM: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

PERSONAL RESPIRATORS (NIOSH APPROVED): Not expected to require personal respirator. If the exposure limit is exceeded a respirator may be required. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

SKIN PROTECTION: Wear protective clothing as appropriate.

EYE PROTECTION: Use safety glasses and/or goggles, as appropriate where dusting or contact is possible.

GOOD HYGIENE CONDITIONS: Wash with soap and water before eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder

ODOR: Slight Odor

SOLUBILITY IN WATER: Partial Solubility

MELTING POINT: Not Applicable

AUTO IGNITION TEMPERATURE: Not Applicable

pH: Not Applicable

COLOR: Various colors

BOILING POINT: Not Established

SPECIFIC GRAVITY: Not Established

EVAPORATION RATE (BuAc=1): Not Applicable

FLASH POINT: Not Applicable

VAPOR PRESSURE: Not Applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID: Contamination, freezing and extreme temperatures.

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents, Strong acids, Strong bases.

HAZARDOUS DECOMPOSITION: No Information found.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

No Known data

Carcinogenic effects: None known.

Mutagenic effects: None known.

Teratogenic effects: None known.

Reproductive effects: None known.

MATERIAL SAFETY DATA SHEET

Cancer Lists:

Ingredient
All ingredients

---NTP Carcinogen---

Known
No

Anticipated
No

IARC Category
None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

This product has not been tested for environmental fate. It is not expected to cause any adverse effects.

ENVIRONMENTAL TOXICITY:

The components may slowly degrade in the environment however, no specific information is known.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Recover, reclaim or recycle when practical.

Dispose of material in accordance with federal, state and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.
Non-Regulated Material

15. REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

Chemical Inventory Status - Part 1

Ingredient	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
All Ingredients	YES	YES	YES	YES

Chemical Inventory Status - Part 2

Ingredient	<u>Korea</u>	<u>DSL</u>	<u>CANADA</u>	<u>Phil.</u>
All Ingredients	YES	YES	<u>NDSL</u>	YES
			NO	

Federal, State & International Regulations - Part 1

Ingredient	<u>-SARA 302-</u>	<u>TPQ</u>	<u>List</u>	<u>-SARA 313-</u>
All Ingredients	<u>RQ</u>	NO	NO	<u>Chemical Catalog</u>
	NO			NO
Ingredient	<u>CERCLA</u>		<u>-RCRA-</u>	<u>-TSCA-</u>
All Ingredients		NO	<u>261.33</u>	<u>8(d)</u>
			NO	NO

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No

Reactivity: No (Pure / Liquid)

SARA 313: This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372. None

STATE REGULATIONS:

MATERIAL SAFETY DATA SHEET

PROP 65 - WARNING:

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

RCRA 40 CFR: None.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: Korea (TCCL), Australia (AICS), China (Draft), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

16. OTHER INFORMATION

Hazardous Material Information System (HMIS):	Health	1
	Flammability	0
	Reactivity	0
	Personal Protection	A

National Fire Protection Association (NFPA) 1-Health, 0-Flammability, 0-Reactivity

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: GOGGLES & SHIELD; PROPER GLOVES;

Prepared By: Paul Eigbrett (MSDS Authoring PLUS)

Date: May 17, 2012

Part Number: --

Supersedes Date: New

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004)

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END OF MSDS