WRP850-N

SAFETY DATA SHEET
Effective Date 06/07/2015

SECTION 1 Product and Company Information

Product Identifier:	850-N Pigmented Part A
Common Name:	Epoxy Novolac resin
SDS Number:	I29
Revision Date:	6/7/2015
Product Use:	Epoxy floor coating
	Coatings For Industry, Inc.
	319 Township Line Road
	Souderton, PA 18964
Emergency:	Infotrac
Contact:	USA: 1-800-535-5053 / International :352-323-3500
Phone:	215-723-0919
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Email:	cs@cficoatings.com
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SECTION 2 Hazards Identification

EMERGENCY OVERVIEW

OSHA HAZARDOUS

Skin sensitizer, Skin, Eye, Respiratory Irritant, Digestive Tract Irritant

Target Organs: Respiratory, Eyes, Skin, Digestive Tract

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Health		Environmental	Physical
Skin Corrosion/Irritation	Category 2	Acute -2	Not Classified
Acute Toxicity- Dermal	Category 4		
Acute Toxicity-Inhalation	Category 4		
Acute Toxicity-Oral	Category 4		
Pictogram:			
Signal Word **Warning**			

Hazard Statements	Precautionary Statements
H401 - Toxic to aquatic life H315 - Causes skin irritation H312 - Harmful in contact with skin H332 - Harmful if inhaled H302 - Harmful if swallowed	P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash _ thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+352 - IF ON SKIN: Wash with soap and water.

		P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P330 - Rinse mouth. P332+313 - If skin irritation occurs: Get medical advice/attention.. P362 - Take off contaminated clothing and wash before reuse. P501 - Dispose of contents/container in compliance with all Federal, State/Provincial and local laws	

Route of Entry: Skin contact, and Eye contact.
Target Organs: Eyes, skin , respiratory system
Inhalation: The low vapor pressure of the resin makes inhalation unlikely in normal use.
Skin Contact: - Moderate irritant. Contact at elevated temperatures can cause thermal burns. May cause skin sensitization
(rashes, hives). Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Eye Contact: Moderate to severe irritant. Contact at elevated temperatures can cause thermal burns.

SECTION 3 Composition / Information on Ingredients

Ingredient(s)	CAS Number	% (by weight)
Propane, 2,2-bis[p=2,3-epoxypropoxy)phenyl]-,polymers	84852-15-3	35-50%
Phenol,4-nonyl-,branched	84852-15-3	0-10
Benzyl Alcohol	100-51-6	0-10
Titanium Dioxide	13463-67-7	20-30%
Nepheline syenite	68187-64-4	0-10
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	20-25%

SECTION 4 First Aid Measures

Inhalation: If affected, remove to fresh air. If not breathing, give artificial respiration.
Skin Contact: Wash the affected area thoroughly with plenty of water and soap.
Eye Contact: Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if
there is any indication of residual chemical in the eye.
Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.
Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with
water. Seek medical attention. Never give anything by mouth to an unconscious individual

SECTION 5 Fire Fighting Measures

Flash Point: Greater than 200F
Hazardous gases/vapors produced in fire are carbon monoxide, carbon dioxide, phenolics.
Extinguishing Media: Water, foam, dry chemical, CO2.
Fire Fighting Instructions:
Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. During a fire
irritating, highly toxic gases may be generated by thermal decomposition or combustion. (See Section VIII) Emits toxic fumes under fire
conditions. Isolate from heat, electrical equipment, sparks, and open flame. Closed container may explode when exposed to extreme heat.
Wear neoprene gloves when handling refuse from fire.

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SECTION 6 Accidental Release Measures

Containment Techniques

Contain spill.

Clean-Up Techniques

Wear proper personal protective clothing and equipment.
Do not flush liquid into public sewer, water systems or surface waters.
Soak up large spill residue and small spills with an inert absorbent. Place into labeled, closed container; to await disposal. Wash the spill area with soap and water. Dispose of in accordance with national and local regulations.
Change contaminated clothing and launder before reuse.
CAUTION: Spilled liquid and dried film may be slippery. Use care to avoid falls.

SECTION 7 Handling and Storage

Precautions for Safe Handling

Avoid eye contact.
Avoid repeated or prolonged skin contact.
Avoid inhalation of aerosol, mist, spray, fume or vapor.
Avoid drinking, tasting, swallowing or ingesting this product.
Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities.
Provide eyewash fountains and safety showers in the work area. Use under well ventilated conditions.

Conditions for Safe Storage

Do not store in open, unlabeled or mislabeled containers.
Do not allow product to freeze.
Do not puncture or stack drums.
Keep container closed when not in use.
Do not reuse empty container without commercial cleaning or reconditioning.

SECTION 8 Exposure Controls / Personal Protection

EXPOSURE LIMITS

COMPONENT	PEL	STEL	TLV	TWA
Benzyl Alcohol	NE	NE	NE	10ppm
Titanium Dioxide	NE	NE	NE	15mg/m3 8hr
Nepheline Syenite	NE	NE	NE	5mg/m3 8hr

Engineering Controls

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240 1634, USA.

Respiratory Protections

Wear a respirator approved by NIOSH/MSHA (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR)..

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Eye Protection
Wear eye protection (chemical goggles or goggles and an 8-inch (minimum) full face shield where spilling and splashing may occur)..

Skin and Body Protection
Wear chemical resistant (impervious) gloves

Other hygienic practices
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Use good personal hygiene practices. Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is being used. Wash hands before eating, drinking, smoking or using toilet facilities. Wash exposed skin promptly to remove accidental splashes or contact with these materials. Promptly remove soiled clothing and wash thoroughly before reuse. Shower after work using plenty of soap and water.

SECTION 9 Physical and Chemical Properties	
Appearance Form Color pH Melting/Freezing Temperature Boiling Point	 Liquid Opaque Not available
Flash Point	
Ignition Temperature	Not available
Autoignition Temperature Lower explosive limit; na	 Upper explosive limit: na
Vapor Pressure	
Vapor Density (air=1)	5.8 Air = 1
Specific Gravity (water=1 @39.2F)	1.35-1.45
Evaporation Rate (Bac=1)	Not available
Odor	Slight
Odor threshold	Not available

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SECTION 10 Stability and Reactivity

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
Stable under normal processing conditions.

Materials to Avoid

Strong oxidizers, acids, bases, and epoxy hardeners under uncontrolled conditions

Conditions to Avoid
Heating above 300 ° F in the presence of air may cause slow oxidation decomposition and above 662 °F may cause potentially violent decomposition..

Hazardous Decomposition Products
Decomposition or combustion may generate irritating vapors, CO, CO2, Phenolics.Hazardous polymerization will not occur.

SECTION 11 Toxicological Information

Benzyl alcohol (100-51-6) [0-10%]

Acute Toxicity
LD50 Oral - rat - 1,230 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Excitement. Behavioral:Coma.
Inhalation: no data available

LD50 Dermal - rabbit - 2,000 mg/kg

Skin Corrosion/Irritation

Skin	Rabbit	Irritating to skin. - 24 h

Serious Eye Damage/Eye Irritation

Eye	Rabbit	no data

Respiratory or Skin Sensitization

Skin	Guinea Pig	no data

Mutagenicity
No data available

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Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: no data available
Specific target organ toxicity - single exposure: no data available
Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available
RTECS: DN3150000
Central nervous system depression
Liver - Irregularities - Based on Human Evidence

SECTION 12 Ecological Information

Benzyl alcohol (100-51-6) [0-10%]

Aquatic Ecotoxicity
Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h.
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h.

other aquatic invertebrates

Biodegradability
Persistence and degradability: Biodegradability Biotic/Aerobic - Exposure time 28 d Result: 92 - 96 % - Readily biodegradable.

Bioaccumulative potential
No data available

Mobility in soil
No data available
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

SECTION 13 Disposal Considerations

Waste Disposal
When a decision is made to discard this material as supplied, it does not meet RCRA's characteristics definition of ignitability, corrosiveness, or reactivity and is not listed in 40CFR261.33. The toxicity characteristic (TC), has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP). Liquids can not be disposed of in a landfill.
Contaminated packaging: Dispose of as unused product

SECTION 14 Transport Information

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DOT (US)
Not regulated by DOT
IMDG
Not regulated by IMDG
IATA
Not regulated by IATA

SECTION 15 Regulatory Information

Component (CAS#) [%] - CODES

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8) [50-60%] TSCA
Phenol, 4-nonyl-, branched (84852-15-3) [0-10%] TSCA
Benzyl alcohol (100-51-6) [0-10%] HAP, MASS, PA, TSCA
Titanium dioxide (13463-67-7) [20-30%] MASS, OSHAWAC, PA, TSCA, TXAIR
Nepheline syenite, manganese zirconium brown (68187-64-4) [0-10%] TSCA

Phenol, polymer with formaldehyde, glycidyl ether (28064-14-4) [20-22%] TSCA

TSCA INVENTORY STATUS
All components are listed or exempt

OSHA HAZARDS
SARA TITLE III: Section 311/312 Hazard Class
CERCLA/SARA RQ

SARA TITLE III: Section 313 (40CFR370)
CERCLA/SARA RQ

CERCLA Information (40CFR302.4)

California Proposition 65 Information:
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SECTION 16 Other Information

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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