

WHP850-N

SAFETY DATA SHEET
Effective Date 06/08/2015

SECTION 1 Product and Company Information

Product Identifier: 850-N Pigmented Part B
Common Name: Cycloaliphatic Amine Epoxy Curing AgentI29
SDS Number: 6/8/2015
Revision Date: Epoxy floor coating
Product Use: Coatings For Industry, Inc.
 319 Township Line Road
 Souderton, PA 18964
 Infotrac
Emergency: USA: 1-800-535-5053 / International :352-323-3500
Contact: 215-723-0919
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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
Serious Eye Damage/Irritation	Category 1	Acute -3	Not Classified
Skin Corrosion/Irritation	Category 1B		
Respiratory or Skin Sensitization	Category 1		
Acute Toxicity- Dermal	Category 4		
Acute Toxicity-Inhalation	Category 4		
Acute Toxicity-Oral	Category 4		
Reproductive Toxicity	Category 2		
Pictogram:			
Signal Word	Danger		

Hazard Statements	Precautionary Statements
H318 - Causes serious eye damage H314 - Causes severe skin burns and eye damage H334 - May cause allergy or asthma symptoms of breathing difficulties if inhaled H401 - Toxic to aquatic life H317 - May cause an allergic skin reaction	P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash hands 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.

<p>H361 - Suspected of damaging fertility or the unborn child H315 - Causes skin irritation H312 - Harmful in contact with skin H332 - Harmful if inhaled H302 - Harmful if swallowed H303 - May be harmful if swallowed H402 - Harmful to aquatic life</p>	<p>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. P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. 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.</p>
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Route of Entry: Inhalation, skin and eye contact.

Target Organs: Prolonged or repeated exposure may cause injury or illness of the respiratory system (lungs).

Inhalation: Inhalation of vapor or aerosol may cause severe irritation to the respiratory tract (nose, throat, and lungs).

Inhalation of vapors or aerosol may cause central nervous system depression with symptoms that include headache, nausea, impaired judgment, confusion, blurred vision, fatigue, loss of coordination, or dizziness.

Skin Contact: Contact may cause skin burning. Contact may cause skin sensitization, an allergic reaction which becomes evident on re-exposure to this material. Skin absorption of harmful amounts possible from excessive exposure only.

Eye Contact: Corrosive. Direct contact with eyes will cause severe burns and may cause permanent damage, including blindness. High vapor concentrations may be irritating..

SECTION 3 Composition / Information on Ingredients

Ingredient(s)	CAS Number	% (by weight)
Piperazine	110-85-0	1-2%
Benzyl Alcohol	100-51-6	25-40%
Cyclohexanemethanamine, 5-amino-1,3,3trimethyl	2855-13-2	60-75%

SECTION 4 First Aid Measures

Inhalation If affected, remove to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. GET IMMEDIATE MEDICAL ATTENTION.

Skin Contact: Wash the affected area thoroughly with plenty of water and soap. Remove contaminated clothing. Wash contaminated clothing before reuse.

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. CORROSIVE HAZARD. This material may cause further damage if vomiting is induced. Immediately give the victim one or two glasses of water or milk to drink. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention

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SECTION 5 Fire Fighting Measures

Flash Point: Greater than 200F Method Tcc

Hazardous gases/vapors produced in fire are carbon monoxide, carbon dioxide, and irritating or toxic vapors.

Extinguishing Media:

Water Fog, 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.

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

Engineering Controls

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol,

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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)..

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. If splashing is likely, wear impervious clothing and boots to prevent skin contact.

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	Liquid
Color	Clear/Sight Yellow
pH	Not available
Melting/Freezing Temperature	
Boiling Point	
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)	0.95-1.05
Evaporation Rate (Bac=1)	Not available
Odor	Mild Amine
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, and epoxy resins under uncontrolled conditions

Conditions to Avoid

Contamination by those materials referred to under incompatibility

Hazardous Decomposition Products

Decomposition or combustion may generate irritating vapors, CO, CO₂, and volatile amines. Hazardous polymerization will not occur.

SECTION 11 Toxicological Information

Piperazine 1-2%

Acute Toxicity

Oral LD₅₀ LD₅₀ Oral - rat - 2,600 mg/kg

Inhalation LC₅₀ LC₀ Inhalation - rat - 4 h - 0.8 mg/l

LD₅₀ Dermal - rabbit – 8,300 mg/kg

Skin Corrosion/Irritation

Skin	Rabbit	Causes burns
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Serious Eye Damage/Eye Irritation

Eye	Rabbit	Severe Eye Irritation 24 hrs
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Respiratory or Skin Sensitization

Skin	Guinea Pig	May cause sensitisation by skin contact
		May cause sensitisation by inhalation

Mutagenicity

Germ cell mutagenic

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Carcinogenicity - Carcinogenicit

IARC: No component of this product present at levels greater than or equal to 0.1% is identified a 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 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 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 carcinogen or potential carcinogen by OSHA.

Reproductive toxicit

Teratogenicity

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard

Potential health effect

Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin burns. Eyes Causes eye burns.

Signs and Symptoms of Exposure Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes,

and skin., Cough Shortness of breath, Headache, Nause

Synergistic effect

Additional Informatio RTECS: TK7800000

Benzyl alcohol (100-51-6) [25-40%]

Information on toxicological effects

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 Result: Irritating to skin. - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

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

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Specific target organ toxicity - repeated exposure: no data available
Aspiration hazard: no data available

Additional Information:

RTECS: DN3150000

Central nervous system depression

Liver - Irregularities - Based on Human Evidence

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [60-75%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 1,030 mg/kg

Inhalation LC50 no data available

Dermal LD50 Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - Skin irritation

Serious eye damage/eye irritation: Eyes - rabbit - Corrosive to eyes

Respiratory or skin sensitisation: May cause allergic skin reaction.

Causes sensitisation.

Germ cell mutagenicity: no data available

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

Teratogenicity

Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard

Potential health effects: Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and

upper respiratory tract. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin burns. Eyes Causes eye burns.

Synergistic effects: no data available

Additional Information RTECS: GV5020833

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SECTION 12 Ecological Information

<p>Piperazine 1-2%</p> <p>Toxicity: Toxicity to fish LC50 - Poecilia reticulata (guppy) - > 1,800 mg/l - 96.0 h. Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 21 mg/l - 48 h. and other aquatic invertebrates Toxicity to algae EC50 - Pseudokirchneriella subcapitata (green algae) - > 1,000 mg/l - 72 h. Persistence and degradability: no data available</p>	<p>Bioaccumulative potential: no data available Mobility in soil: no data available PBT and vPvB assessment: no data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.</p>
<p>Benzyl alcohol (100-51-6) [25-40%] Information on ecological effects Toxicity: 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 Persistence and degradability: Biodegradability Biotic/Aerobic - Exposure time 28 d Result: 92 - 96 % - Readily biodegradable.</p>	<p>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.</p>
<p>Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [60-75%] Information on ecological effects Toxicity: Toxicity to fish LC50 - Leuciscus idus (Golden orfe) - 110 mg/l - 96.0 h. Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 17.4 mg/l - 48 h. and other aquatic invertebrates Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - 37 mg/l - 72 h. Persistence and degradability: no data available</p>	<p>Bioaccumulative potential: no data available Mobility in soil: no data available PBT and vPvB assessment: no data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.</p>

SECTION 13 Disposal Considerations

<p>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. Liquids can not be disposed of in a landfill. Contaminated packaging: Dispose of as unused product.</p>

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SECTION 14 Transport Information

UN3066, Paint or Paint related material, 8, PGIII

SECTION 15 Regulatory Information

Component (CAS#) [%] - CODES

Piperazine (110-85-0) [1-2%] HAP, MASS, PA, TSCA
Benzyl alcohol (100-51-6) [25-40%] HAP, MASS, PA, TSCA
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2) [60-75%] TSCA
SARA Title III section 313

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency

Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Component CAS# Amount

None

SARA Title III Section 312 Hazard Category (40 CFR 311/312)

Acute Health: Yes Release of Pressure: No

Chronic Health: No Reactive: No

Fire: No

California Proposition 65

"Substances known to the state of California to cause cancer, birth defects or other reproductive harm": None known*to be

present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Canadian DSL: All components in this product are on the Canadian Domestic Substances List (DSL) or are exempt from listing.

Canadian Ingredient Disclosure List (WHMIS) :. Not applicable. Canadian WHMIS: This product is not controlled under the

Canadian Hazardous Materials Information System (WHMIS).

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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