



**Safety Data Sheet**  
prepared to UN GHS Revision 3

## 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** F143B1NL
- Product Name:** CARBOSEAL 750 PART B      **Revision Date:** 02/22/2018
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**      Component of multicomponent industrial coatings - Industrial use.      **Supersedes Date:** New SDS
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer:** Carboline Company  
2150 Schuetz Road  
St. Louis, MO USA 63146
- Regulatory / Technical Information:  
Contact Carboline Technical Services at  
1-800-848-4645
- Datasheet Produced by:** Alotta, Vicki - ehs@stoncor.com
- 1.4 Emergency telephone number:** CHEMTREC 1-800-424-9300 (Inside US)  
CHEMTREC +1 703 5273887 (Outside US)  
HEALTH - Pittsburgh Poison Control 1-412-681-6669

## 2. Hazard Identification

### 2.1 Classification of the substance or mixture

Hazardous to the aquatic environment, Chronic, category 2  
Corrosive to Metals, category 1  
Reproductive Toxicity, category 2  
Skin Corrosion, category 1  
Skin Sensitizer, category 1

## 2.2 Label elements

### Symbol(s) of Product



### Signal Word

danger

### Named Chemicals on Label

TETRAETHYLENAPENTAMINE, AMINOETHYLPIPERAZINE, NONYL PHENOL, 4-NONYL PHENOL, BRANCHED

### HAZARD STATEMENTS

Corrosive to Metals, category 1	H290	May be corrosive to metals.
Skin Corrosion, category 1	H314-1	Causes severe skin burns and eye damage.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Reproductive Toxicity, category 2	H361	Suspected of damaging fertility or the unborn child.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.

### PRECAUTION PHRASES

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P406	Store in corrosive resistant/... container with a resistant inner liner.

## 2.3 Other hazards

No Information

### Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

## 3. Composition/Information On Ingredients

### 3.2 Mixtures

#### Hazardous Ingredients

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>%</u>
135108-88-2	AMINE POLYMER	10-25
84852-15-3	4-NONYL PHENOL, BRANCHED	2.5-10
112-57-2	TETRAETHYLENAPENTAMINE	2.5-10
140-31-8	AMINOETHYLPIPERAZINE	2.5-10
25154-52-3	NONYL PHENOL	2.5-10
90-72-2	TRIS-2,4,6- (DIMETHYLAMINOMETHYL)PHENOL	2.5-10
1333-86-4	CARBON BLACK	0.1-1.0

<u>CAS-No.</u>	<u>GHS Symbols</u>	<u>GHS Hazard Statements</u>	<u>M-Factors</u>
135108-88-2	GHS05-GHS07	H302-312-314	0
112-57-2	GHS05-GHS07-GHS09	H302-312-314-317	0
84852-15-3	GHS05-GHS07-GHS08-GHS09	H302-314-361-400-410	0
140-31-8	GHS05-GHS06	H311-314-317-412	0
25154-52-3	GHS05-GHS07-GHS08-GHS09	H302-314-361-400-410	0
90-72-2	GHS07	H315-319-302	0
1333-86-4	GHS07-GHS08	H319-335-351-372	0

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**AFTER INHALATION:** Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**AFTER INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes burns. May be harmful if swallowed. Corrosive after repeated contact with skin and mucous membranes.

### 4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention is required.

When symptoms persist or in all cases of doubt seek medical advice.

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Vapors may spread long distances and ignite.

### 5.2 Special hazards arising from the substance or mixture

No Information

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Evacuate personnel to safe areas. Use NIOSH approved respiratory protection. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8. Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition.

### 6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

### 6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

## 6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

**INSTRUCTIONS FOR SAFE HANDLING :** Keep containers dry and tightly closed to avoid moisture absorption and contamination. Prepare the working solution as given on the label(s) and/or the user instructions. Do not breathe vapours or spray mist. Ensure all equipment is electrically grounded before beginning transfer operations. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation/personal protection.

**PROTECTION AND HYGIENE MEASURES :** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

**CONDITIONS TO AVOID:** Heat, flames and sparks.

**STORAGE CONDITIONS:** Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Ingredients with Occupational Exposure Limits (US)

Name	%	ACGIH TLV- TWA	ACGIH TLV- STEL	OSHA PEL- TWA	OSHA PEL- CEILING	OEL Note
AMINE POLYMER	10-25	N/E	N/E	N/E	N/E	
4-NONYL PHENOL, BRANCHED	2.5-10	N/E	N/E	N/E	N/E	
TETRAETHYLENEPENTAMINE	2.5-10	N/E	N/E	N/E	N/E	
AMINOETHYLPIPERAZINE	2.5-10	N/E	N/E	N/E	N/E	
NONYL PHENOL	2.5-10	N/E	N/E	N/E	N/E	
TRIS-2,4,6- (DIMETHYLAMINOMETHYL) PHENOL	2.5-10	N/E	N/E	N/E	N/E	
CARBON BLACK	0.1-1.0	3.0 MG/M3	N/E	3.5 MG/M3	N/E	

**FURTHER INFORMATION:** Refer to the regulatory exposure limits for the workforce enforced in each country.

### 8.2 Exposure controls

#### Personal Protection

**RESPIRATORY PROTECTION:** In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Use only with ventilation to keep levels below exposure guidelines reported in this document. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use State or federally approved supplied air respirator. For silica containing coatings in a liquid state, and/or if no exposure limits are established above, air-supplied respirators are generally not required. Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved organic vapor respirator. Follow all current OSHA requirements for respirator use.

**EYE PROTECTION:** Safety glasses with side-shields.

**HAND PROTECTION:** Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves. Request information on glove permeation properties from the glove supplier.

**OTHER PROTECTIVE EQUIPMENT:** Ensure that eyewash stations and safety showers are close to the workstation location.

Lightweight protective clothing

**ENGINEERING CONTROLS:** Avoid contact with skin, eyes and clothing. Use only in an area equipped with explosion proof exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Brown, Viscous Liquid
<b>Physical State</b>	Liquid
<b>Odor</b>	Amine
<b>Odor threshold</b>	N/D
<b>pH</b>	N/D
<b>Melting point / freezing point (°C)</b>	N/D
<b>Boiling point/range (°C)</b>	256F (124C) - 431 F (222 C)
<b>Flash Point, (°C)</b>	131
<b>Evaporation rate</b>	Slower than Ether
<b>Flammability (solid, gas)</b>	Not determined
<b>Upper/lower flammability or explosive limits</b>	1.5 - 7.8
<b>Vapour Pressure, mmHg</b>	N/D
<b>Vapour density</b>	Heavier than Air
<b>Relative density</b>	Not determined
<b>Solubility in / Miscibility with water</b>	N/D
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature (°C)</b>	Not determined
<b>Decomposition temperature (°C)</b>	Not determined
<b>Viscosity</b>	Unknown
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined

### 9.2 Other information

<b>VOC Content g/l:</b>	0
<b>Specific Gravity (g/cm<sup>3</sup>)</b>	0.51

## 10. Stability and Reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Heat, flames and sparks.

#### 10.5 Incompatible materials

Strong oxidizing agents.

#### 10.6 Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

Oral LD50: N/D

Inhalation LC50: N/D

Irritation: Unknown

Corrosivity: Unknown

Sensitization: Unknown

Repeated dose toxicity: Unknown

Carcinogenicity: Unknown

Mutagenicity: Unknown

Toxicity for reproduction: Unknown

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
135108-88-2	AMINE POLYMER	2000 mg/kg, oral, rat		Not Available
112-57-2	TETRAETHYLENEMPENTAMINE	Not Available		Not Available
84852-15-3	4-NONYL PHENOL, BRANCHED	1620 mg/kg oral		Not Available
140-31-8	AMINOETHYLPIPERAZINE	2140 mg/kg, oral, rat		Not Available
25154-52-3	NONYL PHENOL	1620 mg/kg oral		Not Available
90-72-2	TRIS-2,4,6- (DIMETHYLAMINOMETHYL) PHENOL	2169 mg/kg oral	Not Available	Not Available
1333-86-4	CARBON BLACK	8000 mg/kg oral, rat	Not Available	Not Available

#### Additional Information:

This product may contain Carbon Black, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. The classification(s) is/are relevant when exposed to these respirable substances in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

## 12. Ecological Information

<b>12.1 Toxicity:</b>	
EC50 48hr (Daphnia):	Unknown
IC50 72hr (Algae):	Unknown
LC50 96hr (fish):	Unknown
<b>12.2 Persistence and degradability:</b>	Unknown
<b>12.3 Bioaccumulative potential:</b>	Unknown
<b>12.4 Mobility in soil:</b>	Unknown
<b>12.5 Results of PBT and vPvB assessment:</b>	The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.
<b>12.6 Other adverse effects:</b>	Unknown

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
135108-88-2	AMINE POLYMER	15.4 mg/l (Daphnia Magna)	43.9 mg/l (Algae)	63 mg/l Guppy (Poecilia reticulata)
84852-15-3	4-NONYL PHENOL, BRANCHED	No information	No information	No information
112-57-2	TETRAETHYLENEPENTAMINE	No information	No information	No information
140-31-8	AMINOETHYLPIPERAZINE	No information	No information	No information
25154-52-3	NONYL PHENOL	No information	No information	No information
90-72-2	TRIS-2,4,6- (DIMETHYLAMINOMETHYL) PHENOL	No information	84 mg/l (Algae)	175 mg/l (Fish)
1333-86-4	CARBON BLACK	No information	No information	No information

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

<b>14.1 UN number</b>	UN 3267
<b>14.2 UN proper shipping name</b>	Corrosive Liquid, Basic, Organic, N.O.S.
<b>Technical name</b>	Nonyl Phenol, Tetraethylenepentamine
<b>14.3 Transport hazard class(es)</b>	8
<b>Subsidiary shipping hazard</b>	N/A
<b>14.4 Packing group</b>	III
<b>14.5 Environmental hazards</b>	Marine Pollutant: Yes (Nonyl Phenol)
<b>14.6 Special precautions for user</b>	Unknown
<b>EmS-No.:</b>	F-A, S-B
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b>	Unknown

## 15. Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation for the substance or mixture:

#### U.S. Federal Regulations: As follows -

##### CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Corrosive to metal, Reproductive toxicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization

##### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
4-NONYL PHENOL, BRANCHED	84852-15-3

##### Toxic Substances Control Act:

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

#### U.S. State Regulations: As follows -

##### New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

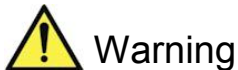
<u>Chemical Name</u>	<u>CAS-No.</u>
TRADE SECRET POLYMER	TRADE SECRET TRADE SECRET

##### Pennsylvania Right-To-Know

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
TRADE SECRET POLYMER	TRADE SECRET TRADE SECRET

##### California Proposition 65:



Warning

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
CARBON BLACK	1333-86-4
MICROCRYSTALLINE SILICA	14808-60-7



Warning

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.



**International Regulations: As follows -****\* Canadian DSL:**

No Information

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**16. Other Information****Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Reasons for revision**

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.