



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

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

- 1.1 Product Identifier** 0263S1NL
- Product Name:** CARBOCRYLIC 3359      **Revision Date:** 05/30/2015
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**      **Supersedes Date:** 29/05/2015
- Monocomponent industrial coating - Industrial use.
- 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:** Schlereth, Ken - 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

Carcinogenicity, category 2  
Reproductive Toxicity, category 1A

**2.2 Label elements****Symbol(s) of Product****Signal Word**

Danger

**Named Chemicals on Label**

CARBON BLACK

**GHS HAZARD STATEMENTS**

Carcinogenicity, category 2	H351	Suspected of causing cancer.
Reproductive Toxicity, category 1A	H360-1A	May damage fertility or the unborn child.

**GHS PRECAUTION PHRASES**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P284	Wear respiratory protection.
P308+313	IF exposed or concerned: Get medical advice/attention
P308+P313	IF exposed or concerned: Get medical advice/attention

**2.3 Other hazards**

Not applicable

**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>
13463-67-7	TITANIUM DIOXIDE	10-25
111-77-3	DM GLYCOL ETHER	2.5-10
112-34-5	GLYCOL ETHER SOLVENT	1.0-2.5
84-74-2	DIBUTYL PHTHALATE	1.0-2.5
1333-86-4	CARBON BLACK	1.0-2.5
25322-68-3	POLYETHYLENE GLYCOL	1.0-2.5
TRADE SECRET	ADDITIVE	0.1-1.0
68987-63-3	COPPER COMPOUNDS	0.1-1.0
TRADE SECRET	TRADE SECRET	<0.1
TRADE SECRET	TRADE SECRET	<0.1
TRADE SECRET	SURFACTANT	<0.1

<u>CAS-No.</u>	<u>GHS Symbols</u>	<u>GHS Hazard Statements</u>	<u>M-Factors</u>
13463-67-7			0

111-77-3	GHS08	H361	0
112-34-5	GHS07	H319	0
84-74-2	GHS08-GHS09	H360-400	0
1333-86-4	GHS08	H351	0
25322-68-3	GHS07	H319	0
TRADE			0
SECRET			0
68987-63-3			0
TRADE			0
SECRET			0
TRADE			0
SECRET			0
TRADE			0
SECRET			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

Irritating to eyes and skin. May be harmful if swallowed.

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

### 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. Cool containers / tanks with water spray. Evacuate personnel to safe areas. The product is not flammable. Use NIOSH approved respiratory protection.

## 6. Accidental Release Measures

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

Ensure adequate ventilation. Ensure adequate ventilation. Use personal protective equipment. Use personal protective equipment. 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**

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. Do not use sparking tools. 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:** Do not freeze. Heat, flames and sparks.

**STORAGE CONDITIONS:** Do not freeze. 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)**

<u>Name</u>	<u>%</u>	<u>ACGIH TLV- TWA</u>	<u>ACGIH TLV- STEL</u>	<u>OSHA PEL- TWA</u>	<u>OSHA PEL- CEILING</u>	<u>OEL Note</u>
TITANIUM DIOXIDE	10-25	10 MGM3	N/E	10 MGM3	N/E	
DM GLYCOL ETHER	2.5-10	N/E	N/E	N/E	N/E	
GLYCOL ETHER SOLVENT	1.0-2.5	10 PPM	N/E	N/E	N/E	
DIBUTYL PHTHALATE	1.0-2.5	5 MGM3	N/E	5 MGM3	N/E	
CARBON BLACK	1.0-2.5	3.0 MG/M3	N/E	3.5 MG/M3	N/E	
POLYETHYLENE GLYCOL ADDITIVE	1.0-2.5 0.1-1.0	N/E 5 MG/M3	N/E 10 MG/M3	N/E 5 MG/M3	N/E NE	
COPPER COMPOUNDS	0.1-1.0	N/E	N/E	N/E	N/E	
TRADE SECRET	<0.1	N/E	N/E	N/E	N/E	
TRADE SECRET	<0.1	N/E	N/E	N/E	N/E	
SURFACTANT	<0.1	N/E	N/E	N/E	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.

**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. Ensure adequate ventilation, especially in confined areas.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Viscous Liquid, Various Colors
<b>Physical State</b>	Liquid
<b>Odor</b>	Ammonia
<b>Odor threshold</b>	
<b>pH</b>	N/D
<b>Melting point / freezing point (°C)</b>	N/D
<b>Boiling point/range (°C)</b>	212 F (100 C) - 644 F (340 C)
<b>Flash Point, (°C)</b>	120
<b>Evaporation rate</b>	
<b>Flammability (solid, gas)</b>	
<b>Upper/lower flammability or explosive limits</b>	Not determined
<b>Vapour Pressure, mmHg</b>	N/D
<b>Vapour density</b>	
<b>Relative density</b>	
<b>Solubility in / Miscibility with water</b>	N/D
<b>Partition coefficient: n-octanol/water</b>	
<b>Auto-ignition temperature (°C)</b>	
<b>Decomposition temperature (°C)</b>	
<b>Viscosity</b>	Unknown
<b>Explosive properties</b>	
<b>Oxidising properties</b>	

### 9.2 Other information

<b>VOC Content g/l:</b>	60
<b>Specific Gravity (g/cm<sup>3</sup>)</b>	app. 1.16

## 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**

Do not freeze. 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>
13463-67-7	TITANIUM DIOXIDE	25000 mg/m <sup>3</sup> , oral (rat)		Not Available
111-77-3	DM GLYCOL ETHER	7000 mg/kg, oral, rat		Not Available
112-34-5	GLYCOL ETHER SOLVENT	3305 mg/kg, oral, rat	2700 mg/kg, dermal, rabbit	Not Available
1333-86-4	CARBON BLACK	8000 mg/kg oral, rat		Not Available
25322-68-3	POLYETHYLENE GLYCOL	Not Available		Not Available
TRADE SECRET	ADDITIVE	NOT AVAILABLE		NOT AVAILABLE
TRADE SECRET	TRADE SECRET	NOT AVAILABLE		NOT AVAILABLE

TRADE  
SECRET      TRADE SECRET

NOT AVAILABLE

NOT AVAILABLE

TRADE  
SECRET      SURFACTANT

Not Available

Not Available

**Additional Information:**

Irritating to eyes and skin. May be harmful if swallowed.

**12. Ecological Information****12.1 Toxicity:**

EC50 48hr (Daphnia):      Unknown

IC50 72hr (Algae):      Unknown

LC50 96hr (fish):      Unknown

**12.2 Persistence and degradability:**      Unknown**12.3 Bioaccumulative potential:**      Unknown**12.4 Mobility in soil:**      Unknown**12.5 Results of PBT and vPvB assessment:**      The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.**12.6 Other adverse effects:**      Unknown

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
13463-67-7	TITANIUM DIOXIDE	No information	No information	No information
111-77-3	DM GLYCOL ETHER	No information	No information	No information
112-34-5	GLYCOL ETHER SOLVENT	>100 mg/l (Daphnia magna)	>100 mg/l (Algae)	1300 mg/l (Fish)
84-74-2	DIBUTYL PHTHALATE	No information	No information	No information
1333-86-4	CARBON BLACK	No information	No information	No information
25322-68-3	POLYETHYLENE GLYCOL	No information	No information	No information
TRADE SECRET	ADDITIVE	No information	No information	No information
68987-63-3	COPPER COMPOUNDS	No information	No information	No information
TRADE SECRET	TRADE SECRET	No information	No information	No information
TRADE SECRET	TRADE SECRET	No information	No information	No information
TRADE SECRET	SURFACTANT	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

14.1 UN number	None
14.2 UN proper shipping name	Not Regulated
Technical name	N/A
14.3 Transport hazard class(es)	None
Subsidiary shipping hazard	N/A
14.4 Packing group	N/A
14.5 Environmental hazards	Unknown
14.6 Special precautions for user	Unknown
EmS-No.:	Unknown
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	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:

Acute Health Hazard, Chronic Health Hazard

#### 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>
DM GLYCOL ETHER	111-77-3
GLYCOL ETHER SOLVENT	112-34-5
DIBUTYL PHTHALATE	84-74-2
COPPER COMPOUNDS	68987-63-3

#### Toxic Substances Control Act:

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

<u>Chemical Name</u>	<u>CAS-No.</u>
----------------------	----------------

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

#### U.S. Clean Air Act:

EPA Coating Category:

EPA VOC Content Limit (g/l):

Product VOC Content (g/l)

Thinning Recommendations:

Application Recommendations:

May be harmful if swallowed.



**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>
WATER	7732-18-5
ACRYLIC RESIN	TRADE SECRET
YELLOW PIGMENT	31837-42-0
COLOR PIGMENT	5567-15-7

**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>
WATER	7732-18-5
ACRYLIC RESIN	TRADE SECRET
YELLOW PIGMENT	31837-42-0
COLOR PIGMENT	5567-15-7
COLOR PIGMENT	36888-99-0
AZO PIGMENT	2786-76-7
AZO PIGMENT	82199-12-0
IRON OXIDE	1309-37-1
COLOR PIGMENT	15793-73-4
YELLOW IRON OXIDE	51274-00-1
IRON OXIDE	1332-37-2

**California Proposition 65:**

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>
TITANIUM DIOXIDE	13463-67-7
CARBON BLACK	1333-86-4
MICROCRYSTALLINE SILICA	14808-60-7
1,4-DIOXANE	123-91-1
ETHYLENE OXIDE	75-21-8
ACETALDEHYDE	75-07-0

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

<u>Chemical Name</u>	<u>CAS-No.</u>
ETHYLENE OXIDE	75-21-8

**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:**

H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.

**Reasons for revision**

No Information

No Information