



SAFETY DATA SHEET

Revision Date 26-Jan-2017

Revision Number 8

1. IDENTIFICATION

Product Identifier

Product Name Ford Dark Blue

Other means of identification

Product Code(s) 10106

Product Type Polyester TGIC

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Coating.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Eastwood

263 Shoemaker Road
Pottstown, PA 19464

Company Phone Number 800-343-9353

Emergency Telephone Number CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|--|-------------|
| Serious eye damage/eye irritation | Category 1 |
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 2 |
| Specific target organ toxicity (repeated exposure) | Category 2 |

Label elements

Emergency Overview

Signal Word Danger

Hazard Statements

Causes serious eye damage

May cause an allergic skin reaction

May cause genetic defects

Suspected of causing cancer


Appearance Powder

Physical State Solid, powder

Odor None

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Contaminated work clothing must not be allowed out of the workplace
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 Specific treatment (see Section 4 on this SDS)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor
 IF ON SKIN: Wash with plenty of water and soap
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store in a dry place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
 Product dust may be irritating to eyes, skin and respiratory system

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

| Components | CAS No. | Weight-% | Trade Secret |
|---------------------------------|------------|----------|--------------|
| Barium sulfate | 7727-43-7 | 30-60 | * |
| Triglycidyl Isocyanurate (TGIC) | 2451-62-9 | 1-5% | * |
| Titanium dioxide | 13463-67-7 | 1-5% | * |
| C.I. Pigment Blue 15 | 147-14-8 | 1-5% | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|---|
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician. |
| Inhalation | Remove to fresh air. |
| Ingestion | None under normal use conditions. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary. |

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use, Foam, Dry chemical or CO₂

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Fine dust dispersed in air may ignite. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation. Use personal protection equipment. Avoid dust formation. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Cleaning Up

Prevent environmental discharge consistent with regulatory requirements. Use non-sparking tools. Pick up and transfer to properly labeled containers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Use personal protection equipment. Avoid contact with eyes, skin and clothing. Do not breathe dust. Avoid dust formation. Do not ingest.

Conditions for safe storage, including any incompatibilities

Storage

Keep only in the original container at a temperature not exceeding .? °C. Keep container tightly closed. Store in accordance with local regulations. Store in a dry place.

Incompatible Products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Components | ACGIH TLV | OSHA PEL | NIOSH IDLH | AIHA - WEEL |
|------------------------------------|-----------------------------|--|---|-------------|
| Barium sulfate 7727-43-7 | TWA: 5 mg/m ³ | TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 10 mg/m ³ (vacated) TWA: 5 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ | - |
| Triglycidyl Isocyanurate (TGIC) | TWA: 0.05 mg/m ³ | - | - | - |

| | | | | |
|----------------------------------|---------------------------|--|---|---|
| 2451-62-9 | | | | |
| Titanium dioxide 13463-67-7 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ (vacated) TWA: 10 mg/m ³ | IDLH: 5000 mg/m ³ | - |
| C.I. Pigment Blue 15 147-14-8 | TWA: 1 mg/m ³ | - | IDLH: 100 mg/m ³ TWA: 1 mg/m ³ | - |

Appropriate engineering controls

Engineering Measures Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact with eyes. Eye protection.

Skin and Body Protection Wear protective gloves/protective clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|-------------------|
| Physical State | Solid, powder | Odor | Odorless |
| Appearance | Powder | Odor Threshold | No data available |
| Color | No information available | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---------------------------------------|--|--------------------------------|
| pH | Specific test data for the substance or mixture is not available | |
| Melting point / freezing point | No information available | |
| Boiling Point / Boiling Range | Specific test data for the substance or mixture is not available | |
| Flash Point | Specific test data for the substance or mixture is not available | |
| Evaporation Rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | | |
| Upper Explosive Limits | 70 g/m ³ | |
| Lower Explosive Limits | 30 g/m ³ | |
| Vapor pressure | Negligible | |
| Vapor Density | Specific test data for the substance or mixture is not available | |
| Specific Gravity | 1.2-1.8 | |
| Water Solubility | Immiscible in water | |
| Solubility in other solvents | Specific test data for the substance or mixture is not available | |
| Partition coefficient | No information available | |
| Autoignition Temperature | | |
| Decomposition Temperature | No information available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | Specific test data for the substance or mixture is not available | |
| Explosive Properties | No information available | |
| Oxidizing Properties | No information available | |

Other Information

| | |
|------------------------|--|
| Softening Point | Specific test data for the substance or mixture is not available |
| Solids | 100% |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Excessive heat.

Incompatible Materials

Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

Inhalation

May cause irritation of respiratory tract.

Eye Contact

Contact with eyes may cause irritation.

Skin Contact

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Repeated exposure may cause skin dryness or cracking. May cause irritation.

Ingestion

Not an expected route of exposure. May be harmful if swallowed.

| Components | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|-------------|-----------------|
| Triglycidyl Isocyanurate (TGIC) 2451-62-9 | = 188 mg/kg (Rat) | - | - |
| Titanium dioxide 13463-67-7 | > 10000 mg/kg (Rat) | - | - |

Information on toxicological effects

Symptoms

Specific test data for the substance or mixture is not available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

May cause sensitization in susceptible persons.

Mutagenic Effects

Specific test data for the substance or mixture is not available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Components | ACGIH | IARC | NTP | OSHA |
|--------------------------------|-------|----------|-----|------|
| Titanium dioxide 13463-67-7 | - | Group 2B | - | X |

Reproductive Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Chronic Toxicity

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons. Experiments have shown reproductive toxicity effects on laboratory animals. See Section 11 for additional Toxicological Information.

Aspiration Hazard

No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4,545.00
ATEmix (inhalation-dust/mist) 12.22

12. ECOLOGICAL INFORMATION

Ecotoxicity

4.2031766 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability

No information available.

Bioaccumulation/Accumulation

No information available.

| Components | log Pow |
|----------------------------------|---------|
| C.I. Pigment Blue 15 147-14-8 | 6.6 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal Methods Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated.

IATA Not regulated.

IMDG/IMO Not regulated.

15. REGULATORY INFORMATION

TSCA 8(b) All components are listed or exempt

DSL All components are listed or exempt

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Components | Weight-% | SARA 313 - Threshold Values % |
|---------------------------------|----------|-------------------------------|
| Barium sulfate - 7727-43-7 | 35.0352 | 1.0 |
| C.I. Pigment Blue 15 - 147-14-8 | 1.1881 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

| Components | Weight-% | HAPS data |
|-----------------------------------|----------|-----------|
| Iron manganese oxide ((Fe,Mn)2O3) | <1.0% | Present |

| | | |
|------------|--|--|
| 75864-23-2 | | |
|------------|--|--|

CWA (Clean Water Act)

See information supplied by the manufacturer

CERCLA

See information supplied by the manufacturer

US State Regulations

California Proposition 65

This product contains (a) Proposition 65 chemical(s)

| Components | California Proposition 65 |
|-------------------------------|---------------------------|
| Titanium dioxide - 13463-67-7 | Carcinogen |

U.S. EPA Label Information

EPA Pesticide Registration Number No data available

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|----------------------------|-----------------|----------------|--------------------|---------------------------------|
| <u>NFPA</u> | Health Hazard 2 | Flammability 1 | Instability 0 | Physical and Chemical Hazards - |
| <u>HMIS / WHMIS</u> | Health Hazard 2 | Flammability 1 | Physical hazards 0 | Personal Precautions X |

Revision Date 26-Jan-2017

Revision Note
No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet