

SUPER DYE BLUE SDS

04-15-2021

TBT TURF SERVICES LLC encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless you use conditions that would necessitate other appropriate methods or actions.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SUPER DYE BLUE
CHEMICAL NAME: Triphenylmethane dye
CI NO: 42090
CAS NO: Mixture
EINECS NO: Mixture
PRODUCT USE: Commercial/industrial applications as a colorant

SUPPLIER: TBT TURF SERVICES LLC
PO BOX 881124
PORT ST LUCIE, FL. 34988

EMERGENCY TELEPHONE: CHEMTREL 1-800-255-3924

2. HAZARD IDENTIFICATION

Emergency Overview

Color: Blue
Physical State: Liquid
Odor: Slight

The potential for hazardous exposure as shipped is minimal. However, some material may be released upon opening and the end-user must take the necessary precautions (eye protection, respiratory protection, ventilation, etc.) to protect employees from exposure. Oxides of carbon, sulfur, sodium, and nitrogen, ammonia, hydrogen sulfide, smoke, and fumes may be released during thermal decomposition. Wear a NIOSH approved respirator. In case of fire, wear a self-contained breathing apparatus to protect from toxic and irritating fumes.

POTENTIAL HEALTH EFFECTS

GHS Classification

STOT – se, Respiratory tract, Category 3

Acute Exposure:

Routes of Exposure: Inhalation, Ingestion, Skin, and Eye contact

Inhalation: May cause irritation to upper respiratory tract (nose and throat), coughing, difficulty breathing, and/or a burning sensation.

Ingestion: May cause gastrointestinal irritation (nausea, vomiting, diarrhea, abdominal pain). May cause choking.

Eyes: May cause irritation. Effects may include discomfort, tearing, a burning sensation, and/or redness.

Skin: May cause irritation, sensitization, or allergic skin reaction. May have drying effect on or cause temporary discoloration of the skin.

Chronic Exposure: Refer to Section 11 for Toxicological Information.

Medical Conditions Aggravated

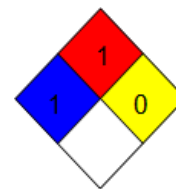
By Exposure: None Known

Signal Word: Warning

Irritant



Health	1
Flammability	1
Physical Hazard	0
Personal	F



H – Code

H335 May cause respiratory irritation

P – Codes

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.

P262 Do not get in eyes, on skin, or on clothing.

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.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 + P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

P302 + P352 + P332 + P313 IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

P304 + P340 + P342 + P315 IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention.

P305 + P351 + P338 + P337 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

P362 + P364 Take off contaminated clothing. And wash it before reuse.

P391 Collect spillage.

P403 + P233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container to a licensed waste facility in accordance with local/regional/national/international regulations.

Hazards Not Otherwise Classified (HNOC)

If material is allowed to dry, the remaining residue may form combustible/explosive dust mixtures with air.

Exposure to heat may cause liquid portion of product to evaporate within the sealed container, leading to potential container rupture or explosion from pressure buildup. Not Hazardous per OSHA 29CFR

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS#</u>	<u>% BY WT</u>
Acid Blue 9	3844-45-9	60%
Water	7732-18-5	40%

4. FIRST AID MEASURES

Inhalation: In case of accidental inhalation, move victim to fresh air and place in a position comfortable for breathing. When symptoms persist or in all cases of doubt, seek medical advice. If breathing is difficult, provide oxygen and seek medical advice. If not breathing, administer artificial respiration and seek immediate medical attention.

Ingestion: Rinse mouth out with water and provide several glasses of water to drink. Seek medical advice. Do not give anything by mouth to

an unconscious or convulsing victim. Do not induce vomiting unless instructed to do so by qualified medical personnel.

Eyes: Flush eyes thoroughly with plenty of water for several minutes. Remove contact lenses (if applicable and safe/easy to do so) after the initial 1 – 2 minutes and continue the flushing for 15 additional minutes. Seek medical advice.

Skin Contact: Remove contaminated clothing and shoes. Thoroughly wash skin with plenty of soap and water. Seek first aid or medical attention as needed. A safety shower should be located in the immediate work area. Wash clothing before reuse.

Note to Physician: Treat symptomatically. No specific antidote.

Emergency Personnel Protection: First aid responders must pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection, etc.). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

Most important symptoms and effects, both acute and delayed: See Section 2.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, water, dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media: Water stream/jet could scatter burning material and spread the fire.

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to keep product cool.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fires from a protected location or safe distance. May produce a very slippery walking surface.

Unusual Fire and Explosion Hazards: Exposure to heat may cause an increase in pressure within the sealed containers that would lead to the containers rupturing or bursting, possibly violently. Product that has dried can potentially form combustible dust mixtures with air.

Hazardous Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include, but are not limited to: carbon dioxide, carbon monoxide, sulfur oxides, sodium oxides, nitrogen oxides, ammonia, hydrogen sulfide, and/or organic products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled: Do not touch or walk through spilled material. Contain spilled material if possible with dams and/or absorbent socks. Soak up spill with inert, absorbent material such as sand, diatomaceous earth, sawdust, etc. and collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

Personal Protection: Spilled material may cause a slipping hazard. Do not breathe in vapors. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent from entering into soil, drains, ditches, sewers, waterways, and/or groundwater. See Section 12 Ecological Information. This product is soluble in water. Report any environmental discharges to the appropriate governmental authorities.

7. HANDLING AND STORAGE

HANDLING

General Handling: No smoking, open flames, or sources of ignition in handling and storage areas. Good housekeeping and controlling of dusts are necessary for safe handling of product. Avoid breathing process fumes. Use with adequate ventilation in an area with easy access to safety showers and eyewash stations. When appropriate, unique handling information for containers can be found on the product label. Keep away from heat, sparks, and flames. See Section 8, Exposure Controls and Personal Protection.

STORAGE

General Storage: Store upright in a cool, dry, and well-ventilated area. Store in accordance with good manufacturing practices in a manner that minimizes the possibility of damage to the packaging/containers. Do not store with incompatible materials. Do not store together with volatile chemicals as they may be adsorbed by the product. Keep away from direct sunlight. Protect from freezing.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS

Not determined

PERSONAL PROTECTION

Eye/Face Protection: Use chemical splash goggles. If exposure causes eye discomfort, use a full-face respirator.

Skin Protection: Clean, impervious, chemically-resistant, body-covering clothing (long trousers, long sleeves or gloves, etc.) should be used. Contaminated work clothes *should not* be allowed out of the work place.

Hand Protection: Consistent with general hygienic practice for any material, skin contact should be avoided. Use impervious, chemically-resistant gloves to protect from mechanical injury (abrasion) and irritation. Selection of gloves will depend upon the task. Inspect gloves prior to use.

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there is no applicable exposure limit requirement or guideline, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. Use an air-purifying respirator when vapors are generated at elevated temperatures or when dust or mist is present. The following should be effective types of air-purifying respirators. When mist is present, use a particulate filter. When combinations of vapors, acids, or mists are present, use a NIOSH approved organic vapor cartridge with a particulate pre-filter.

Ingestion: Use good personal hygiene. Do not consume or store food or drink in the work area. Wash hands before smoking, drinking, or eating.

Additional Protective Measures: Safety boots or shoes.

ENGINEERING CONTROLS

Ventilation: Use local exhaust ventilation or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Blue
Odor	Slight
Odor Threshold	Not determined
Flash Point	> 93.3°C
Flammability (Solid, Gas)	Not determined
Flammable Limits In Air	Lower: Not determined Upper: Not determined
Autoignition Temperature	Not determined
Explosion Limits in Air	Lower: Not determined
Vapor Pressure	Not determined
Boiling Point (760 mm Hg)	Not determined
Vapor Density (Air = 1)	Not determined
Specific Gravity (H ₂ O = 1)	1.127
Relative Density	1.127 g/cm ³
Bulk Density	Not determined
% Volatiles (by weight)	Not determined
Partition Coefficient (n-octanol/water)	Not determined
Oxidizing Properties	Not determined
Freezing/Melting Point	Not determined

Water Solubility
Decomposition Temperature

Soluble
Not determined

Evaporation Rate
Viscosity

Not determined
Not determined

10. STABILITY AND REACTIVITY

Stability/Instability: Stable under recommended storage conditions. See Section 7, Handling and Storage.

Conditions to Avoid: No data available.

Incompatible Materials: Strong oxidizing and reducing agents.

Reactivity: May decompose upon contact with incompatible materials.

Hazardous Polymerization: Will not occur.

Thermal Decomposition: Decomposition products depend upon temperature, air supply, and the presence of other materials. Thermal decomposition may release fumes (carbon dioxide [CO₂], carbon monoxide [CO], oxides of nitrogen [NO_x], oxides of sulfur [SO_x], ammonia [NH₃], hydrogen sulfide [H₂S], and oxides of sodium, [NaO_x]) and/or other decomposition products. Decomposing product may produce smoke. Fumes can be irritating. Decomposition products can include, but are not limited to: combustible gases.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingestion:

LD₅₀ > 5000 mg/kg, Oral, rat

Skin Absorption:

Not determined

Eye Irritation:

Not determined

Inhalation:

Not determined

Repeat Dose Toxicity:

Not determined

Chronic Toxicity and Carcinogenicity:

None of the components are listed as carcinogens by OSHA, NTP, ACGIH, or IARC.

Reproductive Toxicity:

Not determined

Genetic Toxicity:

Not determined

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE

Movement and Partitioning

Not determined

Persistence and Degradability

Not determined

Environmental Toxicity

Not determined

ECOTOXICITY

Not determined

13. DISPOSAL CONSIDERATIONS**Product**

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial, and Local laws and regulations. Regulations may vary in different jurisdictions. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. **AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION: Composition Information. FOR UNUSED AND UNCONTAMINATED PRODUCT,** the preferred options include sending to a licensed, permitted: Recycler, Reclaimer, Incinerator, or other thermal destruction device.

Contaminated Product or Packaging

Dispose of contaminated packaging as product. The generator of waste material has the responsibility for proper waste classification, transportation, and disposal in accordance with applicable Federal, State/Provincial, and Local regulations.

14. TRANSPORT INFORMATION

U.S. DOT Classification: Not regulated

ICAO/IATA (AIR): Not regulated

IMO/IMDG (MARITIME): Not regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized Sales or Customer Service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the material.

15. REGULATORY INFORMATION**Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Right-to-Know Act of 1986), Sections 311 and 312:**

Flammable (gases, aerosols, liquids, or solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (liquid or solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (liquid, solid, or gas)	No
Organic peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No

Hazard Not Otherwise Classified (HNOC) – Physical	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No

Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	se – Respiratory tract, Category3
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazard Not Otherwise Classified (HNOC) – Health	No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Right-to-Know Act of 1986), Section 313
 To the best of our knowledge, this product does not contain SARA 313-listed chemicals.

Pennsylvania (Worker and Community Right-to-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance Law:

The following components are cited in the Pennsylvania Hazardous Substance List and/or the Pennsylvania Environmental Substance List.

Component	CAS Number	Amount

New Jersey (Worker and Community Right-to-Know Act): New Jersey Hazardous Substances List

Component	CAS Number	Amount

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

Component	CAS Number	Amount

For guidance on Prop 65 labeling requirements for your products, please refer to the workbook published by the Plastics Packaging Council (PPC).

US Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from the TSCA Inventory requirement under 40 CFR 720.30.

Canada Domestic Substance List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

U.S. EPA CERCLA Hazardous Substances (40 CFR 302):

This product does not contain any listed substances.

European EINECS – All components Listed

16. OTHER INFORMATION

Recommended Uses and Restrictions

For industrial conversion as a colorant raw material.

TBT TURF SERVICES LLC urges each customer or recipient of the SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various jurisdictions. It is the buyer's/user's responsibility to ensure that his activities comply with all Federal, State, Provincial, or Local laws. The information presented here pertains only to the product as shipped. Since conditions for use are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDS, we are not and cannot be responsible for SDS obtained from another source. If you are not sure that the SDS you have is current, please contact us for the most current version.