



VECTOR BLUE

SPRAY PATTERN INDICATOR

SAFETY DATA SHEET

SDS DATE: 06/20/2021

Vector Blue Spray Pattern Indicator

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Yield Titan Vector Blue Spray Pattern Indicator

DISTRIBUTOR: Yield Titan LLC
ADDRESS: 5108 14th St Plano TX 75074

EMERGENCY CHEMTREC PHONE: US: US: 1-866-787-0027

CHEMICAL NAME: Proprietary mixture
GHS Ratings: **CHEMICAL FAMILY:** Colorant
CHEMICAL FORMULA: Mixture

PRODUCT USE: Agricultural colorant

SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

Toxicity Categories
Eye damage/irritation Category 2B

Signal Word: WARNING

GHS HAZARDS
H320 Causes eye irritation.

GHS PRECAUTIONS
P102 Keep out of reach of children.
P103 Read label before use.
P233 Keep container tightly closed.
P234 Keep only in original container.
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.
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 plenty of 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 cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P337+313 IF eye irritation persists: Get medical advice/attention.

SECTION 3: HAZARDS IDENTIFICATION

| <u>INGREDIENT</u> | <u>CAS NO.</u> | <u>% WT</u> |
|-------------------|----------------|-------------|
| Acid Blue 9 | 3844-45-9 | 40 – 50% |

NOTE: Product does NOT contain any pesticides or pest control agents

SECTION 3 NOTES: These specific chemical identity and /or exact percentage (concentration) of composition has been withheld as a trade secret.

CARCINOGENICITY
OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No



VECTOR BLUE

SPRAY PATTERN INDICATOR

SAFETY DATA SHEET

Vector Blue Spray Pattern Indicator

SDS DATE: 06/20/2021

SECTION 4: FIRST AID MEASURES

EYE CONTACT - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing. Have the product container with you when calling a poison control center or doctor, or going for treatment. If eye irritation persists: Get medical advice or attention.

SKIN CONTACT - IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.

INGESTION - IF SWALLOWED: Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice if you feel unwell.

INHALATION - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: -

IN CASE OF FIRE: Use National fire protection association Class B extinguishers (Carbon dioxide, water fog, dry chemical or foam). Water may also be used.

SPECIAL FIRE FIGHTING PROCEDURES: Cool surrounding area.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 5 NOTES: Product is extremely soluble in water and will turn water blue but is safe for aquatic environments

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None



VECTOR BLUE

SPRAY PATTERN INDICATOR

SAFETY DATA SHEET

SDS DATE: 06/20/2021

Vector Blue Spray Pattern Indicator

SECTION 7: HANDLING AND STORAGE

| | |
|-------------------------|---|
| HANDLING | Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. |
| STORAGE: | Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F. |
| SECTION 7 NOTES: | None |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values

| | |
|--|---|
| VENTILATION: | Normal room ventilation (mechanical) or outdoor use should be satisfactory. |
| RESPIRATORY PROTECTION: | Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate. |
| EYE PROTECTION: | Chemical goggles and face shield |
| SKIN PROTECTION: | Chemical gloves, long-sleeved shirts and pants. |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT: | Eye wash and safety shower should be easily accessible |
| WORK HYGIENIC PRACTICES: | Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. |
| EXPOSURE GUIDELINES: | If exposed, see section 4 for acute exposure first aid. |
| SECTION 8 NOTES: | None |



VECTOR BLUE

SPRAY PATTERN INDICATOR

SAFETY DATA SHEET

SDS DATE: 06/20/2021

Vector Blue Spray Pattern Indicator

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------------|--------------------------|---|--|
| APPEARANCE: | Deep blue | FLAMMABLE LIMITS IN AIR, UPPER: Unknown (% BY VOLUME) | LOWER: Unknown |
| ODOR: | Mild characteristic | VAPOR PRESSURE (mmHg): | @ F: Unknown C: Unknown |
| ORDER THRESHOLD: | Not known | VAPOR DENSITY (AIR = 1): | @ F: Unknown C: Unknown |
| PHYSICAL STATE: | Liquid | RELATIVE DENSITY: | 1.109 to 1.143 |
| pH AS SUPPLIED: | Not applicable | EVAPORATION RATE: | Unknown |
| pH (Other): | | BASIS (butyl acetate=1): | |
| INITIAL BOILING POINT: | F: Unknown C: Unknown | SOLUBILITY IN WATER: | Soluble |
| BOILING POINT RANGE: | F: Unknown C: Unknown | PARTITION COEFFICIENT: n-octanol/water): | Unknown |
| MELTING POINT: | F: Unknown C: Unknown | AUTO-IGNITION TEMPERATURE: | Unknown |
| FREEZING POINT: | F: Unknown C: Unknown | DECOMPOSITION TEMPERATURE: | Unknown |
| FLASH POINT: | F: >200 C: >93 | VISCOSITY: | @ Not determined F: Unknown C: Unknown |
| METHOD USED: | PMCC | | |
| FLAMMABILITY (solid, gas): | | | |

SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|---|
| STABILITY: | Stable <input checked="" type="radio"/> <input checked="" type="radio"/> Unstable <input type="radio"/> <input type="radio"/> |
| CONDITIONS TO AVOID (STABILITY): | None known |
| INCOMPATIBILITY (MATERIAL TO AVOID): | Strong oxidizers |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: | None known |
| HAZARDOUS POLYMERIZATION: | Will not occur |
| CONDITIONS TO AVOID (POLYMERIZATION): | None known |
| SECTION 10 NOTES: | None |



VECTOR BLUE

SPRAY PATTERN INDICATOR

SAFETY DATA SHEET

SDS DATE: 06/20/2021

Vector Blue Spray Pattern Indicator

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None
MIXTURE TOXICITY Not available
COMPONENT TOXICITY Not available
SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: None
ECOTOXICITY: Not available
BIOACCUMULATIVE POTENTIAL: Not available
MOBILITY IN SOIL: Not available
OTHER ADVERSE EFFECTS: Not available
SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local /regional/national/international regulations.
CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.
RCRA HAZARD CLASS: None
SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: Not Regulated

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None
SECTION 14 NOTES: None



VECTOR BLUE

SPRAY PATTERN INDICATOR

SAFETY DATA SHEET

SDS DATE: 06/20/2021

TURF MARKER BLUE SELECT SC

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

REV 123021_ALB