



Safety Data Sheet (DYE SPEC GREEN TRACER STICKS)

1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:DYE SPEC GREEN TRACER STICKS

CHEMICAL NAME/

CLASS/SYNONYMS:Leak Tracer Dye

PRODUCT NUMBER:DYE SPEC GREEN TRACER STICKS

UN/NA NUMBER:None

CHEMICAL FAMILY:Water soluble dye stick

CAS NUMBER:Not applicable for mixtures.

FORMULA:Proprietary

COMPANY:JMN Specialties, Inc.

1100 Victory Drive – Westwego, Louisiana USA 70094

Phone (504) 341-3749, Fax (504) 341-5868

www.jmnspecialties.com

EMERGENCY PHONE:CALL CHEMTEL: Toll Free US & Canada: (800) 255-3924, Outside USA +01-813-248-0585.

DATE PREPARED:November 29, 2022

2 – HAZARDS IDENTIFICATION

GHS HAZARD CLASSIFICATION:

Physical Hazards

Flammable Liquids:No Hazard Statement established for this Product

Corrosive Liquids:No Hazard Statement established for this Product

Health Hazards

Acute Toxicity:Category 5 - Relatively low acute toxicity but which under certain circumstances may pose a hazard to vulnerable populations

Skin Corrosion/Irritation:Category 3 - Mild Skin Irritation

Eye Damage/Irritation:Category 2B - Mildly irritating to eyes

Aspiration Hazard:No hazard Statement established for this Product

Carcinogen:No Hazard Statement established for this Product

Specific Target Organ

Toxicity Single Exposure:No known short term significant effects or critical hazards.

Specific Target Organ

Toxicity Repeated Exposure: .No known significant long term effects or critical hazards.

Hazardous to the Environment

Aquatic (Acute):No Hazard Statement established for this Product, > 100g m/L.

Aquatic (Chronic):No Hazard Statement established for this Product, > 100g m/L.

See Section 11 for additional Toxicological information



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EMERGENCY OVERVIEW:

Pictograms:

Signal Word (GHS-US):None

Hazard Statements:

Physical Hazards (GHS-US):

No Hazard Statement established for this Product

Health Hazards (GHS-US):

H305: May be harmful if swallowed and enters airways

Environmental Hazards (GHS-US):

No Hazard Statement established for this Product.

Precautionary Statements (GHS-US):

P101+102+103: If medical advice is needed, have product container or label at hand. Keep out of the reach of children. Read label before use.

280: Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. P264: Wash thoroughly after handling. P260: Do not breathe mist, vapors, spray.

P402+404: Store in a dry place. Store in a closed container

Response Statements (GHS-US):

P301+P312+P330+P331: IF SWALLOWED: call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. P302+352+P362+P363: IF ON SKIN: Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. P332+P313: IF SKIN irritation occurs: Get medical advice/attention. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. P337+P313: IF eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container: Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations.

TOTAL VOC's:.....None

3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT

PERCENT*

CAS NUMBER

Product classification according to Regulation (EC) 1272/2008 (CLP) as amended: Not classified as hazardous under any GHS hazard class. Product classification according to Directive 67/548/EEC or 1999/45/EC as amended: Not a hazardous substance or preparation according to EC Directives 67/548/EEC or 1999/45/EC.

*Any concentration shown as a range is to protect confidentiality or is due to batch variation. When not listed, mixtures may contain water [CAS No. 7732-18-5] to 100%.



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4 – FIRST-AID MEASURES

- BREATHING (INHALATION):**..... Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Seek medical attention immediately. Qualified medical personnel should consider administering oxygen.
- SWALLOWING (INGESTION):**..... Give large amounts of fresh water or milk immediately. Do not give anything by mouth if person is unconscious or otherwise unable to swallow. If vomiting occurs, keep head below hips to prevent aspiration. Treat symptomatically and supportively. Seek medical attention immediately.
- EYES:** Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
- SKIN (DERMAL):** Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop. Dermal contact may discolor the skin due to dye characteristics which will wear off and is not hazardous.
- NOTE TO PHYSICIAN:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5 – FIRE-FIGHTING MEASURES

- GENERAL FIRE HAZARDS:** Testing (ASTM D4206) has shown product does not sustain combustion.
- AUTOIGNITION TEMP:**..... Not determined
- EXTINGUISHING MEDIA:**..... Determined by surrounding material. In case of fire, use water fog, dry chemical, CO₂, or "alcohol" foam. Firefighting should be attempted only by those who are adequately trained and equipped with proper protective equipment.
- SPECIAL FIRE FIGHTING PROCEDURES:**..... If solid product is spilled on the ground and contacts moisture, it may begin to dissolve possibly causing the ground to become slippery.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:**..... Containers may explode from internal pressure if confined to fire. Cool with water spray.



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6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:Wear appropriate personal protective equipment before approaching spill site. For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations. Wear appropriate personal protective equipment before approaching spill site. If solid product is spilled, immediately pick up and return to protected storage. If product contacts moisture and begins to dissolve: For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.

WASTE DISPOSAL:.....Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

RCRA STATUS:..... If discarded in its purchased form, it is not a RCRA hazardous waste. It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24).

7 – HANDLING and STORAGE

STORAGE:..... Keep in a tightly closed container, stored in a cool, dry, ventilated area below 29°C (85°F). Protect against physical damage. Isolate from incompatible substances, avoid contact with moisture. Empty containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Containers must not be washed out or used for other purposes.



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HANDLING:.....Avoid contact with eyes, skin and clothing. Do not inhale vapors and fumes. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. For industrial use only.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS INGREDIENT

None

PEL

None Established

TLV-TWA

None Established



EXPOSURE CONTROLS:..... Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

RESPIRATORY PROTECTION:.....If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

PROTECTIVE CLOTHING:..... **Eye/face protection:** Wear chemical goggles; face shield (if splashing is possible). **Skin protection:** Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron or chemical suit and chemical resistant boots are recommended.



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ADDITIONAL MEASURES:..... Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

9 – PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT:..... NA
FREEZING POINT:.....Not Applicable
FLASHPOINT:Non-flammable material
UPPER FLAME LIMIT (%):.....NA
LOWER FLAME LIMIT (%):.....NA
VAPOR PRESSURE: No data available
VAPOR DENSITY (AIR=1):.....> 1 (Air = 1)
SPECIFIC GRAVITY:Not Applicable
pH:Not Applicable
SOLUBILITY IN WATER:.....Complete
VOLATILITY
INCLUDING WATER:10 ounce solid
MOLECULAR WEIGHT:.....NA
EVAPORATION RATE:Not Applicable
PHYSICAL STATE:.....Waxy Solid Tube
COLOR:Blueish / Green
ODOR:Mild / Bland

10 – STABILITY and REACTIVITY

STABILITY:Stable
HAZARDOUS DECOMP.:Will not occur
INCOMPATIBILITY:Oxidizers or Oxidizing Materials.
HAZARDOUS REACTIONS:..... Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS Definition(s).

11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE:.....None Established for this Product
OSHA PEL:.....None Established for this Product
LISTED CARCINOGEN:..... This product IS NOT listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.
MEDICAL CONDITION
AGGRAVATED:..... Existing dermatitis.



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INFORMATION ON ACUTE TOXICOLOGICAL EFFECTS

ORAL

Product:Not expected to be harmful if swallowed, however, ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death. Ingestion of this product may cause diarrhea & stomach discomfort – not typically a route of industrial exposure.

DERMAL

Product:Skin contact may aggravate existing dermatitis. May also dye skin, this is not hazardous and will wear off.

INHALATION

Product:Expected to be of relatively low acute toxicity, but may be harmful if inhaled.

REPEATED DOSE TOXICITY

Product:Based on the toxicity profile and exposure scenarios for this Product, the risks from chronic and subchronic exposure to low levels of this Product are minimal and without consequence to human health.

SKIN CORROSION / IRRITATION

Product:Repeated and prolonged exposure to concentrated material may cause dermatitis.

SERIOUS EYE DAMAGE / IRRITATION

Product:May cause mild to severe eye irritation

RESPIRATORY OR SKIN SENSITIZATION

Product:Not expected to be sensitizing based on tests of this product, components, or similar products.

MUTAGENICITY

IN VITRO

Product:No Data Available

IN VIVO

Product:No Data Available

Specified Substance(s)

For Product

Information as provided by manufacturer

Data has shown negative results for mutagenicity both in vitro and in vivo for this product and its separate ingredients. It is concluded that the available data are sufficient and indicate that this material has no significant genotoxicity.

CARCINOGENICITY

Product:Based on available data the classification criteria are not met. Not classified as hazardous.

REPRODUCTIVE TOXICITY

Product:Based on available data the classification criteria are not met. Not classified as hazardous.



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SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE

Product:..... **INHALATION:** Not to be expected to cause irritation of the respiratory tract. **EYES:** May cause mild irritation experienced as discomfort or pain, excess blinking and tear production, possibly with marked redness and swelling of the conjunctiva. **SKIN:** Not expected to cause irritation. **SWALLOWING:** Ingestion of small amount not expected to be harmful, however, ingestion may cause nausea, vomiting, diarrhea, and general weakness.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE

Product:The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. This product may aggravate existing eye, skin, and respiratory conditions.

ASPIRATION HAZARD

Product:Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.

OTHER ADVERSE EFFECTS

Product:Low Hazard for germ cell mutagenicity and mutagenicity and genotoxicity in somatic cells. Negative results for chromosomal aberrations and gene mutations, no structural alerts.

12 – ECOLOGICAL INFORMATION

ACUTE TOXICITY

FISH

Product:Fish, practically non toxic: LL/EL/IL50 > 100 mg/l. (based on similar products / components)

AQUATIC INVERTEBRATES

Product: Daphnia magna, practically non toxic: LL/EL/IL50 > 100 mg/l. (based on similar products / components)

CHRONIC TOXICITY

FISH

Product:NOEC/NOEL: >100 mg/L (based on similar products / components)

AQUATIC INVERTEBRATES

Product:NOEC/NOEL: >100 mg/L (based on similar products / components)

TOXICITY TO AQUATIC PLANTS

Product:Algae, practically non toxic: LL/EL/IL50 > 100 mg/l. (based on similar products / components)



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PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

Product:Biodegradability under aerobic static laboratory conditions is high (BOD20 or BOD28 / THOD greater than 80%).

BIOLOGICAL OXYGEN DEMAND

Product:No data available

CHEMICAL OXYGEN DEMAND

Product:No data available

BOD / COD RATIO

Product:No data available

BIOACCUMULATIVE POTENTIAL

Product:Potential to bioaccumulate is low.

MOBILITY IN SOIL

Product:Expected to partition to water.

RESULTS OF PBT AND mPvB ASSESSMENT

Product:Not fulfilling PBT (persistent/bio accumulative/toxic) criteria. Not fulfilling vPvB (very persistent, very bio accumulative) criteria.

OTHER ADVERSE EFFECTS

Product:No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential or global warming potential) are expected from this product.

13 –DISPOSAL CONSIDERATIONS

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14 – TRANSPORTATION INFORMATION

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

UN/NA NUMBER:.....None

PROPER SHIPPING NAME:..... Non-Regulated

HAZARD CLASS:.....None

PACKAGING GROUP :.....None

LETTER:.....None

ENVIRONMENTAL HAZARD:This product does not concentrate or accumulate in the food chain. If released to soil and water, this product is expected to biodegrade under both aerobic and anaerobic conditions.

REPORTABLE QUANTITY:.....None

15 - REGULATIONS

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System. This SDS complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD). **IMPORTANT:** Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product.

EPA SRA Title III Chemical Listings:

TSCA STATUS:This product is listed on the TSCA inventory. If this product is a blend, all ingredients in the product are listed on the TSCA Inventory List. Any impurities present in this product are exempt from listing.

SECTION 302:.....None

SECTION 304:.....None

SECTION 312:.....None

SARA SECTION 313:.....None

ACUTE:No

CHRONIC:No

FIRE:.....No

PRESSURE:No

REACTIVE:.....No

CLEAN WATER ACT:.....None



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IMDG – International Marine Dangerous Goods Code

Class Non Regulated - Possible Shipping Description(s): Non Regulated

IATA

Class Non Regulated - Possible Shipping Description(s): Non Regulated

DEA Chemical Trafficking Act: ..No

Homeland Security Regulated ..This product does not contain any reportable DHS chemicals.

California Proposition 65 Chemical / Mixture not Listed

Component.....Chemical / Mixture not Listed

Cal Prop 65 NSRL.....No Significant Risk Level

US State Right to Know (RTK)

Component.....Chemical / Mixture not Listed

MassachusettsNo

New JerseyNo

PennsylvaniaNo

IllinoisNo

Rhode Island.....No

****RTK Chemical(s)**Chemical / Mixture not Listed

Canada NPRIChemical / Mixture not Listed

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): All ingredients in this product are listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All ingredients in this product are listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All ingredients in this product are listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): All ingredients in this product are listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.KE-04134

Philippines Inventory (PICCS): All ingredients in this product are listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All ingredients in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).



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16 – OTHER INFORMATION

HMIS*

HEALTH		0
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		B

**HMIS®HAZARD INDEX: 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard. HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS and product label must be considered.*

ND = No Data, NA = Not Applicable/Not Available, ≤ = Less than or equal to, ≥ = Greater than or equal to

REVISION STATEMENT: Changes have been made throughout this Safety Data Sheet (SDS). Please read the entire document. Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and The Globally Harmonized System of Classification and Labeling of Chemicals (GHS) by the Company Health and Risk Assessment Unit.

DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this Safety Data Sheet (SDS) will make their own determination as to its suitability for their intended purposes prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal and State Regulations concerning the Product. It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. **NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.**

*****This is the last page of this SDS*****