

SAFETY DATA SHEET

Orion Basal Oil + Dye

SDS DATE 1/1/2025

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME:** Orion Basal Oil + Dye**DISTRIBUTOR:** Orion Solutions**ADDRESS:** 1035 Franklin Street, Suite 207
Rocky Mount, VA 24151
www.theorioncompanies.us/contact**EMERGENCY CHEMTREC PHONE:** US: 1-800-424-9300 International: 1-202-483-7616**CHEMICAL NAME:** Proprietary mixture**CHEMICAL FAMILY:** Basal Oil with dye**CHEMICAL FORMULA:** Mixture**PRODUCT USE:** Agricultural adjuvant oil**SECTION 1 NOTES:** None**SECTION 2: HAZARDOUS INGREDIENTS****GHS Ratings:****Toxicity Categories:** None**Signal Word:** None**Hazard symbol:** None**GHS Hazards**

None Classified

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 or spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P281 Use personal protective equipment as required.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.

SECTION 3: HAZARDS IDENTIFICATION**INGREDIENT**Distillates, petroleum, hydrotreated light
Proprietary**CAS NO.**64742-58-1
Proprietary**% WT**80 – 90%
10 – 20%**NOTE:** Product does NOT contain any pesticides or pest control agents.**SECTION 3 NOTES:** These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.**CARCINOGENICITY****OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** No

SECTION 4: FIRST AID MEASURES

Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor or going for treatment.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash it before reusing. Wash with plenty of soap and water for several minutes.

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.

IF INHALED: If breathing is difficult, remove person 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:** 1 **REACTIVITY:** 0 **OTHER:** -

IN CASE OF FIRE: Carbon dioxide, dry chemical powder, chemical foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus when fire fighting in confined space.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Burning decomposition or combustion products may be toxic. Empty containers may retain residue and may be dangerous. Heated containers may rupture.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon monoxide.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Surround and absorb all spills. Material should be collected and disposed of 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

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. Wash hands thoroughly after handling. Use personal protective equipment as required.

STORAGE: Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty containers. 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:	Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if necessary.
EYE PROTECTION:	Chemical goggles and face shield.
SKIN PROTECTION:	Hydrocarbon resistant 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 products and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reusing.
EXPOSURE GUIDELINES:	If exposed, see section 4 for acute exposure first aid.
SECTION 8 NOTES:	None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	transparent blue	FLAMMABLE LIMITS IN AIR, UPPER: Unknown (% BY VOLUME) LOWER: Unknown
ODOR:	Slight	VAPOR PRESSURE (mmHg): @ F: Unknown C: Unknown
ORDER THRESHOLD:	Not known	
PHYSICAL STATE:	Liquid	VAPOR DENSITY (AIR = 1): @ F: Unknown C: Unknown
pH AS SUPPLIED:	Not applicable	
pH (Other):		
INITIAL BOILING POINT:	F: Unknown C: Unknown	RELATIVE DENSITY: 0.862 to 0.880
BOILING POINT RANGE:	F: Unknown C: Unknown	EVAPORATION RATE: Unknown BASIS (butyl acetate=1):
MELTING POINT:	F: Unknown C: Unknown	SOLUBILITY IN WATER: Dispersible
FREEZING POINT:	F: Unknown C: Unknown	PARTITION COEFFICIENT: (n-octanol/water): Unknown
FLASH POINT:	F: >200 C: >93	AUTO-IGNITION TEMPERATURE: Unknown DECOMPOSITION TEMPERATURE: Unknown
METHOD USED:	PMCC	VISCOSITY: @ Not determined F: Unknown C: Unknown
FLAMMABILITY (solid, gas):	Can burn	

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 ☒ Unstable ☐

CONDITIONS TO AVOID (STABILITY): Avoid intense heat, sparks or flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Combustion may produce carbon monoxide and asphyxiants.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

MIXTURE TOXICITY LD50 Acute oral toxicity >5050mg/kg (Rat)
LD50 Acute dermal toxicity >5050mg/kg (Rabbit)
Acute eye Irritation (Rabbit) score of 6 at 1 hr., 0 at 24 hours and beyond effects cleared in 7 days
Acute Dermal irritation (Rabbit) 0.6 out of 8.0 based on a 72-hour observation, slightly irritating.

COMPONENT TOXICITY

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

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 federal, state and local 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

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.