

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Fervus™**
Manufactured for: Titan Pro SCI
1301 S. 24th Street
Clear Lake, IA 50428-4014
Product Use: High Surfactant Modified Vegetable Oil Concentrate
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (641) 357-7283

2. HAZARDS IDENTIFICATION

GHS Classification:

Eye Irritation, Category 2B, H320

Signal Word: Warning

Hazard Statements:

H320: Causes eye irritation

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash protective equipment and work clothes thoroughly after handling.

Response

P305+P351+P338: 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 attention or advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Mixture	Proprietary	100%

4. FIRST AID MEASURES

IF SWALLOWED: Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN: Wash affected area with plenty of soap and water. Use tepid water if available. Treat symptomatically. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

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 or attention.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.

5. FIREFIGHTING MEASURES

Suitable Extinguishing media: Water fog, dry chemical, foam, CO₂ or halon. Water stream may splash the burning liquid and spread fire.

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Specific Hazards: Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in well ventilated area.

PPE and Precautions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: **Collect spillage.** Stop the flow of material, if this is without risk. Isolate area. Keep unnecessary personnel away. Absorb with an inert material such as sand, soil, or vermiculite and sweep up. Do not allow to enter surface waters or drains. Wash hard surfaces with detergent to remove remaining oil film. Greasy nature will result in slippery surfaces. Retain contaminated wash water and dispose of it.

Disposal: Dispose of collected waste in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Avoid eye and skin contact. Wash thoroughly after handling. Store and use in well ventilated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits: None

Eye/Face Protections: Wear protective eyewear. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear long-sleeved shirt; long pants; socks; shoes; and barrier laminate, neoprene rubber, nitrile rubber or Viton® gloves.

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Note: When selecting personal protective equipment and clothing, follow the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed. Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, amber liquid	LEL:	N/D
Odor:	N/D	Vapor Pressure:	N/D
Odor Threshold:	N/D	Vapor Density:	N/D
pH (1% in distilled water):	5.96	Relative Density (lbs/gal):	7.565 ± 0.05
Melting Point:	N/D	Solubility in water:	Emulsifies
Boiling Point:	>212°F	Partition Coefficient:	N/D
Flash Point:	N/D	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	N/D	VOC:	N/D
UEL:	N/D	Viscosity:	11.34 cps

10. STABILITY AND REACTIVITY

Stability: Stable

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Condition to Avoid: Store within recommended temperature range (see Section 7 above).

Incompatible Materials: Strong acids, strong oxidizers. Do not mix with chlorinated detergents (bleach).

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Hazardous Decomposition Products: Burning may produce oxides of sulfur and nitrogen in addition to carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50 > 5,000 mg/kg
Acute Eye Irritation: Minimally irritating
Acute Dermal Irritation: Non-irritating
Acute Dermal Toxicity: LD50 > 5,050 mg/kg

12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers: No EPA Waste Numbers are applicable for this product's components.
Disposal Instructions: All wastes must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.
Container Reuse: An empty container can contain product residue and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. **Dispose of container to disposal plant in accordance with federal, state and local regulations.**

14. TRANSPORT INFORMATION

DOT Status (Highway and rail): Not Regulated
IATA Status (Air): Not Regulated

15. REGULATORY INFORMATION

SARA 311/312: Acute Health Hazard
TSCA: Components listed
DSL (Canada): Components listed

16. OTHER INFORMATION

Date Prepared: August 8, 2019
Date Updated: January 9, 2020

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, TITAN PRO SCI MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/R—Not Rated
N/D—Not Determined
N/A—Not Applicable
N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.