

TIGRIS LV-6

SAFETY DATA SHEET

EMERGENCY CALL : 1-800-424-9300 (CHEMTREC)

1. IDENTIFICATION

PRODUCT NAME: Tigris LV-6
DESCRIPTION: A liquid herbicide.
SDS #
REGISTRATION NUMBER(S): EPA Reg. No. 92647-15
UN/ID NO UN3082
RECOMMENDED USE: EPA registered pesticide.
MANUFACTURER ADDRESS: Tigris, LLC
10025 US Hwy 264 Alt,
Middlesex, NC 27557
252-235-0043
Emergency Telephone (24 hr) For fire, spill and/or leak contact
Chemtrec: 1-800-424-9300 (North America) 1-352-323-3500 (International)
For medical emergencies and health/safety inquiries, contact Poison Control: 1-800-222-1222

2. HAZARD IDENTIFICATION

This chemical is a product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-EPA registered chemicals. Please see Section 15 for additional EPA information.

Appearance

Transparent yellow liquid

Physical State

Liquid

Odor

Pungent

CLASSIFICATION

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Carcinogenicity	Category 2

WARNING

Precautionary Statements - Prevention

Harmful if swallowed
Harmful if inhaled
Suspected of causing cancer
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a poison center/doctor if you feel unwell

IF SWALLOWED: Immediately call a POISON CONTROL or doctor/physician Rinse mouth

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal



3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Weight-%
2,4-D Ester	1928-43-4	80-90



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4. FIRST AID MEASURES

GENERAL ADVICE: When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen if breathing is difficult. If breathing has stopped, call 911, give artificial respiration. Seek medical advice.

INGESTION: Immediately call a poison center or doctor/physician. DO NOT induce vomiting. If conscious, drink 8-10 oz. of water promptly. Never give anything by mouth to an unconscious person. Obtain medical attention. Do not induce vomiting unless directed by medical personnel.

Symptoms

May cause irritation to the mucous membranes and upper respiratory tract. May cause eye irritation. The petroleum distillate, if aspirated into the respiratory system during ingestion or vomiting, may cause mild or severe pulmonary injury, which could be fatal.

Notes to Physician

Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media: Foam. Dry chemical. Carbon dioxide (CO₂). Water spray (fog). Foam or dry chemical systems are preferred to prevent environmental damage from excessive water runoff.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical: Combustible liquid.

Hazardous Combustion Products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Hydrogen chloride. Nitrogen oxides (NO_x). Carbon oxides.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area of unprotected personnel. Remain upwind of fire to avoid hazardous vapors and decomposition products. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Before responding to a spill or leak of this product, review each section of this SDS and follow the recommendations of each section.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods for Containment: Prevent further leakage or spillage if safe to do so. Stop spill at source, dike area of spill to prevent spreading.

Methods for Clean-Up: For small spills, absorb with sand, clay, or other inert absorbent. Place in appropriate containers for disposal. For large spills: recover free product. Dike for later disposal. Absorb with inert material, and then place in suitable container for chemical waste. Wash spill area with a strong detergent and water solution; rinse with water, but minimize water use during clean-up. Do not flush to sewer. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Do not contaminate water, food or feed by storage, disposal or by cleaning equipment. Keep containers closed when not in use. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Observe precautions found on the label. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Storage Conditions: Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Store away from incompatible materials. Keep/store only in original container. Store at ambient conditions. Store locked up.

Incompatible Materials: Oxidizing agents. Acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Engineering Controls: Please refer to the product label. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eye/Face Protection: Use splash goggles or face shield when contact may occur.

Skin and Body Protection: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Viton or other impervious gloves are required. Long sleeve shirt, trousers, and safety shoes.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas. Wear an appropriate NIOSH/MSHA approved respirator if ventilation is inadequate.

General Hygiene Considerations: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Wash at the end of each work shift and before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Discard contaminated leather articles. Launder or discard contaminated



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Transparent yellow liquid

Odor: Pungent

Color: Yellow

Odor Threshold: Not determined

Property	Values	Remarks • Method
pH	Not determined	(1% solution in water)
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	96.1 °C / 205 °F	(Seta Closed Cup)
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	Not determined	
Water Solubility	Emulsifies	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	33.5 @ 25°C; 14.7 @ 40°C cps	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Bulk Density	1.112 gm/cm ³ @ 25°C; 1.100 gm/cm ³ @ 40°C (9.18 lb/gal)	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to Avoid: Contact with incompatible materials. Keep out of reach of children. Excessive heat. See Sec. 7 Handling & Storage.

Incompatible Materials: Oxidizing agents. Acids.

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors. Nitrogen oxides (NO_x). Hydrogen chloride. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Eye Contact: Avoid contact with eyes.

Skin Contact: Avoid contact with skin.

Inhalation: Harmful if inhaled.

Ingestion: Harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2,4-D Ester 1928-43-4	= 300 mg/kg (Rat)	-	-

Symptoms: Please see section 4 of this SDS for symptoms.

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
2,4-D Ester 1928-43-4		Group 2B		X

Legend:

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Acute Oral LD50 (Rat): >1,000 mg/kg

Acute Dermal LD50 (Rabbit): >2,000 mg/kg

Acute Inhalation LC50 (Rat): >3.0 mg/L (4-hr)

Eye Irritation: Slightly irritating.

Dermal Irritation: Slightly irritating.

Dermal Sensitization: Non-sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2,4-D Ester 1928-43-4		6 - 8.7: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 7.8: 96 h Oncorhynchus mykiss mg/L LC50 static 11.5: 96 h Lepomis macrochirus mg/L LC50 static		



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13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

Disposal of Wastes: Do not contaminate water, food, or feed by storage or disposal. END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
2,4-D Ester 1928-43-4	U240			U240

14. TRANSPORT INFORMATION

DOT

Pack size less than 18 gallons: Not regulated by DOT.

Pack size over 18 gallons:

UN/ID No	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (2,4-dichlorophenoxyacetic acid)
Hazard Class	9
Packing Group	III
Reportable Quantity (RQ)	Yes

IATA

UN/ID No	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (2,4-dichlorophenoxyacetic acid)
Hazard Class	9
Packing Group	III
Marine Pollutant	Yes
RQ	Yes

IMDG

UN/ID No	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (2,4-dichlorophenoxyacetic acid)
Hazard Class	9
Packing Group	III
Marine Pollutant	Yes
RQ	Yes

15. REGULATORY INFORMATION

TSCA: Listed

Legend:

TSCA United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
2,4-D Ester 1928-43-4	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2,4-D Ester 1928-43-4	1928-43-4	80-90	0.1

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
2,4-D Ester 1928-43-4	100 lb			

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2,4-D Ester 1928-43-4	X		

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

Caution

Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear protective eyewear.



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Difference between SDS and EPA pesticide label

	EPA	OSHA
Signal Word	Caution	Warning
Acute toxicity – Oral	Harmful if swallowed	Harmful if swallowed
Acute toxicity – inhalation	N/A	Harmful if inhaled
Serious eye damage/eye irritation	Causes moderate eye irritation	N/A
Skin sensitization	Prolonged for frequent repeated skin contact may cause allergic reactions in some individuals	N/A
Carcinogenicity	Carcinogenicity	Suspected of causing cancer

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards None
HMIS	Health Hazards 2	Flammability 1	Physical Hazards 0	Personal Protection See section 8

Issue Date: 07-Jul-2022

Revision Date:

Revision Note:

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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