

TIGRIS[™]

IMAZETHAPYR 2SL

SAFETY DATA SHEET

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

1. IDENTIFICATION

Product Name Tigris Imazethapyr 2SL
Registration Number(s) 93809-3-92647
Recommended use Herbicide
Uses advised against No information available
Manufacturer address Tigris, LLC
10025 Hwy. 264 Alternate
Middlesex, NC 27557
Company phone number 877.235.0043
Emergency telephone CHEMTREC: 800-424-9300
CHEMTREC: 703-527-3887
POISON CONTROL CENTER:
800-222-1222

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Aqueous solution

Physical state Liquid

Odor Characteristic

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

May be harmful if swallowed. May be harmful in contact with skin.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Other ingredients *	Proprietary	30 - 60
Glycerin *	56-81-5	10 - 30
Imazethapyr, ammonium salt	101917-66-2	22.87

*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice: Call a poison control center or doctor for treatment advice. Have the product containers 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. Call a poison control center or doctor for treatment advice.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Call a poison control center or doctor for treatment advice.

Inhalation: Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control center immediately. Call a poison control center or doctor for treatment advice.

Ingestion: Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Self-protection of the first aider: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Symptoms: None known.

Note to physicians: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Dry chemical, CO₂, water spray or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal. Water spray, fog or regular foam.

Unsuitable extinguishing media: None.

Specific hazards arising from the chemical: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products: Carbon oxides. Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

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. Cool containers / tanks with water spray.



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

For emergency responders: Use personal protection recommended in Section 8. Ventilate the area.

Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas.

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Advice on safe handling: Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing.

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep in properly labeled containers.

Packaging materials: Do not reuse container.

Incompatible materials: Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name: Glycerin 56-81-5

OSHA PEL: N/A

ACGIH TLV: TWA: 15 mg/m³ mist, total particulate
TWA: 5 mg/m³ mist, respirable fraction

NIOSH IDLH: N/A

Engineering Controls: Ensure adequate ventilation, especially in confined areas. And. Showers. Eyewash stations. Ventilation systems.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Wear suitable protective clothing. Wear protective butyl rubber gloves. Protective shoes or boots.

Respiratory protection: Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid

Appearance: aqueous solution

Color: clear

Odor: Characteristic

Odor threshold: No information available

pH: 7.0 - solution (1%)

Melting point / freezing point: No information available

Boiling point/Boiling range: No information available

Flashpoint: > 100 °C / > 212 °F - Seta Closed Cup

Evaporation rate: No information available

Flammability (solid, gas): No information available

Flammability limit in air (upper/lower): No information available

Vapor pressure: 17 mmHg @ 20 °C

Vapor density: No information available

Relative density: 1.11

Water solubility: dispersible

Water solubility: dispersible

Solubility in other solvents: No information available

Partition coefficient: No information available

Autoignition temperature: No information available

Decomposition temperature: No information available

Kinematic viscosity: No information available

Dynamic viscosity: No information available

Explosive properties: Not an explosive

Oxidizing properties: Not applicable

Softening point: No information available

Molecular weight: No information available

VOC Content (%): No information available

Density: No information available

Bulk density: No information available

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing

Conditions to avoid: Elevated Temperature.

Storage near to reactive materials.

Incompatible materials: Strong oxidizing agents.

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



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11. TOXICOLOGICAL INFORMATION

Product Information

Acute Oral LD₅₀ (rat): >2000 mg/kg

Acute Dermal LD₅₀ (rabbit): > 2000 mg/kg

Eye Irritation (rabbit): Not an irritant.

Skin Irritation (rabbit): Not an irritant.

Inhalation LC₅₀ (rat): >3.98 mg/L (4 HR)

Skin Sensitization (guinea pig): Not a sensitizer

Inhalation: Based on available data, the classification criteria are not met.

Eye contact: Based on available data, the classification criteria are not met.

Skin contact: Based on available data, the classification criteria are not met.

Ingestion: Based on available data, the classification criteria are not met.

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Other ingredients	> 90 mL/kg (Rat)	-	-
Glycerin 56-81-5	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h

Symptoms: No information available.

Sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT - single exposure: Based on available data, the classification criteria are not met.

STOT - repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral): >2000.00 mg/kg

ATEmix (dermal): >2000.00 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: None known

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Glycerin 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC ₅₀ static	500: 24 h Daphnia magna mg/L EC ₅₀

Persistence and degradability: Not readily biodegradable.

Bioaccumulation: Not likely to bioaccumulate.

Chemical Name	Partition coefficient
Glycerin 56-81-5	-1.76

Bioaccumulation: This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

13. DISPOSAL CONSIDERATIONS

Disposal of wastes: Pesticide wastes may be acutely hazardous. Improper disposal is a violation of federal law. Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance on proper disposal of waste product.

Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations. Consult product label for additional information. Do not reuse container.

14. TRANSPORT INFORMATION

DOT: Not regulated

TDG: Not regulated

IATA: Not regulated

IMDG: Not regulated



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15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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
Other ingredients	-	-	X
Glycerin 56-81-5	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number: 93809-3-92647

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:

Difference between SDS and EPA Pesticide label

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA

Health hazards 0
Flammability 0
Instability 0
Physical and Chemical Properties -

HMIS

Health hazards 0
Flammability 0
Physical hazards 0
Personal protection X

Issue Date: 05-Aug-2016

Revision Date: 28-Apr-2020

Revision Note: No information available

Disclaimer: The information provided in this Material 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.

04-Nov-2020 v1



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