

TIGRIS™ TANK CLEANER

SAFETY DATA SHEET

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

1. IDENTIFICATION

PRODUCT NAME: Tigris Tank Cleaner
DESCRIPTION: Spray Tank Cleaner
COMPANY IDENTIFICATION: Tigris, LLC
P.O. Box 250
10025 Hwy. 264 Alternate
Middlesex, NC 27557

EMERGENCY CONTACT: In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals – call **CHEMTREC (800) 424-9300**

2. HAZARD IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity:

- Oral – not categorized
- Dermal – not determined
- Inhalation – not determined



Health Hazards

Skin irritation – causes severe skin burns and eye damage (based on product pH)

Serious eye damage/eye irritation – causes serious eye damage (based on product pH)

Category

1

1

Signal Word: DANGER

PRECAUTIONARY STATEMENTS

General:

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children. Store locked up.
- Read label before use.
- Do not breathe fumes, mist, vapors, or spray.
- Wash hands, face, and other affected areas thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Use only outdoors or in a well ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Immediately call a POISON CENTER or doctor/physician if you feel unwell. Take off contaminated clothing and wash it before reuse. Rinse skin (or hair) cautiously with water for several minutes. If skin irritation occurs: get medical advice/attention.

IF INHALED: Immediately call a POISON CENTER/doctor/seek medical attention if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Immediately call a POISON CENTER/doctor/seek medical attention if you feel unwell. 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/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	Composition
Proprietary Mixture	N/A	>98%
Isopropanol	67-63-0	<1.0%
2-Butoxyethanol	111-76-2	<1.0%

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a doctor/physician if irritation occurs.

INHALED: After vapor exposure, remove to fresh air. Call a physician if breathing difficulties or irritation persist.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth with water. Give one to three glasses of water to dilute stomach contents. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.



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5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: water spray, dry chemical, foam or carbon dioxide (CO₂).

FIRE FIGHTING PROCEDURES: Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

FIRE FIGHTING EQUIPMENT: As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

PERSONAL PROTECTIVE EQUIPMENT: For incidental releases use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations.

ENVIRONMENTAL PRECAUTIONS: Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance.

CONTAINMENT AND CLEANUP: Spilled material is very slippery. Neutralize spill with soda ash or lime. Absorb spilled liquid with poly pads or other absorbent materials. Clean up with non-combustible absorbent (such as sand or soil). Shovel up and place all spill residue in suitable containers. Use detergent if needed. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

7. HANDLING AND STORAGE

HANDLING: Follow all SDS / label precautions when using this product. Do not reuse the container.

STORAGE: Store in a cool, dry, well ventilated area. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash station, safety shower, and adequate ventilation.

Ventilation System: A system of local and / or general exhaust may be necessary to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

RESPIRATORY PROTECTION: Avoid high concentrations of vapor and/ or mist. Use local exhaust if available or use NIOSH/MSHA approved organic vapor respirator as necessary.

Component	OSHA PEL	ACGIH TLV
Isopropanol	400 ppm TWA	400 ppm TWA
2-Butoxyethanol	50 ppm TWA	20 ppm TWA

EYE PROTECTION: Wear OSHA standard chemical splash goggles or face mask; avoid eye contact at all times.

SKIN PROTECTION: Clean, body-covering clothing should be used. Use impervious gloves such as neoprene. Avoid prolonged and unnecessary skin contact with product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish, clear to slightly hazy liquid

Odor: Fatty

pH (neat): 10.50 – 12.50

Melting/freezing point: Not determined

Boiling point/Boiling range: Not determined

Specific Gravity (25°C): 1.0 – 1.1

Flashpoint: > 93°C

Solubility in Water: Soluble

Viscosity: 50 – 300 cps

Odor Threshold: Not determined

Evaporation Rate: Not determined

Upper / Lower Flammability Limits: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Partition Coefficient: Not determined

Auto-Ignition Point: Not determined

Decomposition Temperature: Not determined

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable at ambient temperatures and atmospheric pressure.

CONDITIONS TO AVOID: Extreme temperatures.

HAZARDOUS DECOMPOSITION: Combustion will produce carbon oxides, nitrogen oxides, and ammonia.

HAZARDOUS POLYMERIZATION: Will not occur.



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11. TOXICOLOGICAL INFORMATION

ACUTE:

Eye – contact with product may cause severe eye damage. Avoid eye contact with product at all times.

Skin – contact with product may cause damage and may be harmful if absorbed through the skin. Avoid prolonged and unnecessary skin contact with the product.

Inhalation – inhaling concentrated vapors will be harmful and may cause nasal and respiratory tract irritation. Overexposure by inhalation may cause headache, nausea, weakness, and lightheadedness.

Swallowing – may cause burning pain in mouth, throat, and abdomen and coughing and constriction of the throat, followed by nausea, vomiting, and diarrhea. Do not taste or swallow product.

Chronic exposure: no data available

Aggravation of pre-existing conditions: no data available

Specific Target Organ Toxicity – Single Exposure: no data available

Specific Target Organ Toxicity – Repeated Exposure: no data available

Germ Cell Mutagenicity: no data available

Reproductive Toxicity: no data available

Aspiration Hazard: no data available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not contaminate water, food, or feed by disposal.

PRODUCT DISPOSAL: Disposal of contents / container must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

EMPTY CONTAINER: Empty containers must be handled properly due to product residue

14. TRANSPORT INFORMATION

SHIPPING DESCRIPTION:

UN Number: N/A

DOT Proper Shipping Name: N/A

DOT Technical Name: N/A

DOT Hazard Class(es): N/A

DOT Packing Group: N/A

Marine Pollutant: No

Canadian TDG Regulations

Not regulated for shipment. Product does not sustain combustion.

Air Shipment (IATA): Not Regulated by IATA as a hazardous material

Ocean Shipment (IMDG): Not regulated by IMDG as a hazardous material

Transport in bulk: Not regulated by IMDG as a hazardous material

Special precautions: None known

15. REGULATORY INFORMATION

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311 / 312 Hazard Categories – Acute and Chronic health hazard

313 Reportable Ingredients – 2-Butoxyethanol (glycol ether category), Isopropanol

302 – none

304 Emergency Planning –

Component	CAS #	Wt%	RQ (lbs)
Diethanolamine	111-42-2	<0.1%	100

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65) – This product contains the following chemicals known to the state of California to cause cancer or reproductive toxicity.

Component	CAS #	Wt%
Diethanolamine	111-42-2	<0.1%

TRACE ELEMENTS: Trace ingredients (if any) are present in < 1% concentration (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute a significant additional hazard at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), US State equivalents, and Canadian Hazardous Material Identification System Standard (CPR 4)

16. OTHER INFORMATION

REASON FOR ISSUE: Initial

APPROVAL BY: Technical Services Manager

DISCLAIMER OF LIABILITY: Tigris, LLC makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of the use, handling and disposal of this product. Since actual use by others is beyond our control; no warranty, expressed or implied, is made by Tigris, LLC as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Tigris, LLC assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process.



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