

Agriliance, LLC

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IN CASE OF EMERGENCY, CALL CHEMTREC
UNITED STATES: 1-800-424-9300
INTERNATIONAL: 1-202-483-7616

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **Protank Liquid Cleaner**
SYNONYMS: SPRAY TANK CLEANER
CHEMICAL FAMILY: BLEND

2. HAZARDOUS INGREDIENTS

OSHA REGULATED COMPONENTS				
COMPONENT	CAS. NO.	WT%	OSHA PEL	ACGIH STEL
Butoxyethanol	111-76-2	<1	25 mg/M ³	25 mg/M ³
Isopropanol	67-63-0	<1	NA	NA
Diethanolamine	111-42-2	<0.1	NA	NA

3. EFFECTS OF OVEREXPOSURE:

EYES: Eye contact with product may cause burns and irritation. Avoid eye contact with product at all times.
SKIN: Effects of skin contact may include burns and irritation. Avoid prolonged and unnecessary skin contact with product.
INGESTION: 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.
INHALATION: Not expected to be an inhalation hazard, but may cause irritation to some individuals.

4. EMERGENCY FIRST AID

EYES: IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes while forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. If easy to do, remove contact lenses. GET MEDICAL ATTENTION.
SKIN: IMMEDIATELY flush skin with water for 15 minutes. If clothing is penetrated, immediately remove clothing and flush skin with water. Wash clothes before reuse. GET PROMPT MEDICAL ATTENTION IF IRRITATION OCCURS.
INGESTION: GET IMMEDIATE MEDICAL ATTENTION. Call a physician or poison control center. Do not induce vomiting. If conscious, give victim 1-3 glasses of water or milk to dilute stomach contents.
INHALATION: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer mouth-to-mouth resuscitation. GET MEDICAL ATTENTION IMMEDIATELY.

5. REACTIVITY DATA

STABILITY: Stable under normal conditions. May form peroxides of unknown stability.
CONDITIONS TO AVOID: Extreme Temperatures, Open Flames.
POLYMERIZATION: Will not occur.
INCOMPATIBILITY: Strong oxidizing agents – reactions can occur.
DECOMPOSITION: Incomplete combustion may product carbon monoxide and other asphyxiates.

6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Transparent/Semi-transparent Liquid, Fatty.
FLASHPOINT: >200 °F >93 °C
BOILING POINT: NA
VAPOR PRESSURE (mmg of Hg): NA
SPECIFIC GRAVITY: 1.06 @ 25 °C
VAPOR DENSITY (AIR=1): NA
VOLATILE ORGANIC % <2%
pH (neat @ 25 °C): 10.75 – 12.50

SOLUBILITY IN WATER: miscible

7. NFPA HAZARD RATING (National Fire Protection Association)

	Fire				FIRE:	Materials that must be preheated before ignition can occur.
	1				HEALTH:	Materials that under emergency conditions, can cause temporary incapacitation or residual injury.
Health	2	0	Reactivity		REACTIVITY:	Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.
	-					
	Special					

8. FIRE AND EXPLOSION HAZARD INFORMATION

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may include fumes, smoke and carbon monoxide.

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide, and foam. Use water spray to keep fire-exposed containers cool.

FIRE FIGHTING: Do not enter enclosed or confined workspaces without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).

UNUSUAL FIRE HAZARD: None known.

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Store this product in a cool, dry, well-ventilated area away from direct sources of heat, sparks, ignition and flames. Do not store near strong oxidizing materials, acids, chlorine, bromine and hypochlorite bleaches. Protect from freezing.

GENERAL PRECAUTIONS: Keep container tightly closed when handling or storing. Exercise exposure controls and always wear personal protection. Wash thoroughly after handling.

10. SPECIAL PROTECTION INFORMATION

SKIN PROTECTION: Neoprene rubber or other chemical resistant material such as nitrile or viton may be used. Wear gloves, boots and protective clothing as appropriate for the risk of exposure. Contact glove manufacturer for specific information.

EYE PROTECTION: Always wear eye protection. Goggles or safety glasses with face/side shields are recommended.

RESPIRATORY: If engineering controls do not maintain airborne concentrations below recommended exposure limits, and approved respirator must be worn. Respirator type: organic vapor.

VENTILATION: Good general ventilation (typically 10 air changes per hour) should be used. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

11. SPILL OR LEAK PROCEDURES

ACTION: Restrict persons not wearing protective equipment from areas of spills or leaks until cleanup is complete. Remove all ignition sources and ventilate area of spill or leak.

LARGE SPILL: Prevent spill from entering streams, sewers and waterways. Use dikes to contain spill. Flush spill area with water spray. Shovel, sweep or vacuum spill and place in closed container for disposal according to local, state and federal regulations.

SMALL SPILL: Contain spilled liquid and shovel, sweep or vacuum spill and place in closed container for disposal according to local, state and federal regulations.

12. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Compound, Cleaning liquid 48580

DOT HAZARD CLASS: NA

HAZARD TECHNICAL NA ME: NA

DOT SHIPPING LABEL: NA

UN/NA NUMBER: NA

PACKING GROUP: NA

13. REGULATORY INFORMATION

SARA 302 THRESHOLD PLANNING QUANTITY: NA

SARA 304 REPORTABLE QUANTITY: NA

SARA 311 CATEGORIES: Immediate (Acute) Health Effects: Yes
Delayed (Chronic) Health Effect: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactivity Hazard: No

SARA Title III – Section 313: The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372: 2-Butoxyethanol
EPA Hazard Classification Code: NA

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

Canadian DSL: The components of this product are listed on the Canadian Domestic Substance List.

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

Short-term ecological effects are expected to be minimal when this product is diluted and used as directed. Large spills of the neat product may kill plants or induce a low growth rate, and may also kill animals and fish in the vicinity of the spill. It is recommended that this product be used in a manner consistent with its labeling and be used in an ear when the run off and wash residue have minimal expected impact.

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.