


NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				
1	Slight	2	Health		Not regulated as a hazardous material for ground transport. (See Section 14 for additional information)
2	Moderate	0	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
Product Name:	Protank® Liquid Cleaner
EPA Registration #:	Exempt
Common Name:	Agricultural chemical tank cleaner
Chemical Description:	Agricultural chemical tank cleaner
Recommended Uses:	Agricultural chemical tank cleaner. See product label for complete list of recommended uses
Restrictions for Use:	See product label for information regarding restrictions on the use of this product.
Manufactured For: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	MEDICAL EMERGENCY TELEPHONE NUMBER: 1-877-424-7452 (24hrs) Non-Emergency Business Inquiries: 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL: CHEMTREC 1-800-424-9300 (24 hours)	

SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Clear to slightly hazy, yellow liquid with a fatty odor. Causes severe eye irritation and possible irreversible damage. Causes skin irritation. May cause irritation of the respiratory tract.	
POTENTIAL HEALTH EFFECTS: Eyes: Causes serious eye irritation with the potential for irreversible damage to the eyes. Skin: Causes moderate skin irritation. Inhalation: May be harmful if inhaled. Ingestion: Harmful if swallowed. Preexisting Conditions: Pre-existing respiratory conditions may be aggravated by exposure to mists. Chronic Health Effects: None known.	
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
OSHA HCS 2012 CLASSIFICATION: Eye Irritant Category 1; Acute Dermal Toxicity Category 4; Acute Oral Toxicity Category 4; Specific Target Organ Toxicity – Single Exposure – Category 3	
SIGNAL WORD: DANGER	
HAZARD STATEMENTS: Causes serious eye damage. Harmful in contact with skin. Harmful if swallowed. May cause respiratory irritation.	
Percent of product with unknown toxicity: 0%	
PRECAUTIONARY STATEMENTS: Prevention: Wash hands thoroughly after handling. Wear eye and face protection, protective gloves and protective clothing. Avoid breathing mist or spray. Use only outdoors in a well-ventilated area. Do not eat, drink or smoke when using this product.	

Response: **If in eyes:** Immediately call a poison control center (1-877-424-7452) or doctor for treatment advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **If on skin:** . Immediately call a poison control center (1-877-424-7452) or doctor for treatment advice. Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. **If inhaled:** Call a poison control center (1-877-424-7452) or doctor for treatment advice if you feel unwell. Remove person to fresh air and keep comfortable for breathing. **If Swallowed:** Immediately call a poison control center (1-877-424-7452) or doctor for treatment advice. Rinse mouth. Do NOT induce vomiting.

Storage: Store in a well-ventilated and locked place. Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with Federal, state and local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	% (wt)	CAS Reg. #
Proprietary mixture	>98.0%	N/A
Isopropanol	<1.0%	67-63-0
2-Butoxyethanol	<1.0%	111-76-2
*Ingredients not specifically listed are non-hazardous and/or considered to be confidential business information under 29 CFR 1910.1200(i).		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES	
Inhalation:	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention or call a poison control center for treatment advice.
Ingestion:	Seek medical attention or call a poison control center immediately. 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.
Eyes:	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.
Skin:	Remove contaminated clothing and wash before re-using them. Wash exposed skin with soap and water. Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES	
Suitable Extinguishing Media:	Use water spray, alcohol foam, dry chemical, or carbon dioxide (CO2). Water may be ineffective in firefighting. Use spray/fog for cooling containers and firefighters.
Unsuitable Extinguishing Media:	Water jet.
Special Fire Fighting Procedures:	Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
Hazardous Combustion Products:	Thermal breakdown of this product during fire or very high heat conditions may produce carbon oxides and traces of incompletely burned carbon compounds, nitrogen oxides, ammonia, sodium oxides, sulfur compounds, and peroxides.
Unusual Fire and Explosion Hazards:	Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Vapors may travel to an ignition source and flash back.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
Environmental Precautions:	Keep spilled product from entering nearby sewers or waterways.
Methods for Containment:	Contain spilled liquid by diking area with sand or earth.
Methods for Clean-up:	Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop or sweep up material and place in a container for disposal. Do not place spilled material back in original container.

Other Information: No other information available.

SECTION 7: HANDLING AND STORAGE

Handling: Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Storage: Store in a locked, cool, dry area away from children, feed and food products in an area away from incompatible substances. Protect packaging from physical damage. Protect from exposure to fire.

Minimum Storage Temperature: 55°F

Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component:	OSHA PEL	ACGIH TLV	NIOSH REL
Isopropanol (CAS# 67-63-0)	400ppm, 980 mg/m ³ (TWA)	200 ppm (TWA) 400 ppm (STEL)	400ppm, 980 mg/m ³ (TWA)
2-Butoxyethanol (CAS# 111-76-2)	50 ppm, 240 mg/m ³ (TWA)	20 ppm (TWA)	5 ppm, 24 mg/m ³ (TWA)

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an OSHA/NIOSH-approved respirator for organic vapors.

Engineering Controls: **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

Protective Gloves: Wear chemically protective gloves to prevent repeated exposure to the skin.

Eye Protection: Wear OSHA standard chemical goggles or face shield and safety glasses. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily accessible to the work area. Avoid eye contact at all times.

Other Protective Clothing or Equipment: Wear long-sleeve shirt, long pants and chemical resistant shoes plus socks to prevent prolonged or repeated skin contact.

Work/Hygienic Practices: Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H₂O=1):	1.0 – 1.1
Vapor Pressure (mm Hg):	Not determined	Density (lbs/gallon):	9.10 lbs/gal (typical)
Vapor Density (Air=1):	Not determined	Melting Point/Freezing Point:	Not determined
Solubility in Water (wt %):	Miscible	Boiling Point/Range:	Not determined
Viscosity:	50 – 300 cps	pH (neat):	10.50 – 12.50
Appearance and odor:	Clear to slightly hazy yellow liquid with a fatty odor	Flash Point:	>199°F/ 93°C

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known.

Chemical Stability: Product is stable at ambient temperature and pressure, under normal storage and handling. May form peroxides under high heat conditions.

Possibility of Hazardous Reactions: Do not use with alkali-sensitive metals, such as aluminum, because flammable hydrogen gas may be released.

Conditions to Avoid: Contact with incompatible materials, extreme temperatures.

Incompatible Materials: Strong oxidizing agents, halogens, bleach, acids and nitrosating agents.

Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may produce carbon oxides and traces of incompletely burned carbon compounds, nitrogen oxides, ammonia, sodium oxides, sulfur compounds, and peroxides.

SECTION 11: TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY	
Eye Effects:	Causes severe eye irritation and may cause burns and other irreversible damage. Avoid contact with eyes at all times.
Skin Effects:	LD50 is not determined. Contact with product may cause damage and may be harmful if absorbed through the skin. Avoid prolonged and unnecessary skin contact.
Acute Inhalation Effects:	LC50 is not determined but product is not expected to be an inhalation hazard. Inhaling concentrated vapors may be harmful and may cause respiratory tract irritation. Overexposure by inhalation may cause headache, nausea, weakness, lightheadedness, and symptoms of central nervous system depression.
Acute Oral Effects:	LD50 is not determined. Swallowing may cause burning pain in the mouth, throat, and abdomen and coughing and constriction of the throat, followed by nausea, vomiting and diarrhea. Do not taste or swallow.
Specific Target Organ Toxicity:	None known.
CHRONIC TOXICITY	
Chronic Effects:	Not anticipated to have chronic health effects due to exposure.
Carcinogenicity:	None of the components of this product are known or suspected of having carcinogenic effects.
Mutagenicity:	None of the components of this product are known or suspected of having mutagenic effects.
Teratogenicity:	None of the components of this product are known or suspected of having teratogenic effects.
Reproductive Toxicity:	None of the components of this product are known or suspected of having effects on the reproductive system.
POTENTIAL HEALTH EFFECTS:	
Eyes:	Causes serious eye irritation with the potential for irreversible damage to the eyes.
Skin:	Causes moderate skin irritation.
Inhalation:	May be harmful if inhaled.
Ingestion:	Harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION	
ENVIRONMENTAL SUMMARY: Not determined	
ECOTOXICITY DATA:	
Fish Acute and Prolonged Toxicity:	Not determined
Aquatic Invertebrate Acute Toxicity:	Not determined
Aquatic Plant Toxicity:	Not determined
Bird Acute and Prolonged Toxicity:	Not determined
Honeybee Toxicity:	Not determined
ENVIRONMENTAL EFFECTS:	
Soil Absorption/Mobility:	Not determined
Persistence and degradability:	Not determined
Bioaccumulative Potential:	Not determined
Other adverse effects:	None known

SECTION 13: DISPOSAL CONSIDERATIONS	
Disposal Method: Do not contaminate water, food, or feed by disposal.	
Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.	
Container: Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.	
RCRA Characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.	

SECTION 14: TRANSPORT INFORMATION	
DOT: (Ground)	Not regulated by the U.S. Department of Transportation as a hazardous material.

Protank® Liquid Cleaner

IMDG: (Sea)	Not Regulated by IATA as a hazardous material. Transportation in Bulk: Not regulated by IMDG as a hazardous material.
IATA: (Air)	Not Regulated by IATA as a hazardous material
TDG: (Canada)	Not Regulated for shipment. Product does not sustain combustion.
Marine Pollutant:	No

SECTION 15: REGULATORY INFORMATION

SARA Title III Information (Superfund Amendments and Reauthorization Act)

311 / 312 Hazard Categories - Acute Health Hazard
313 Reportable Ingredients - None
302 / 304 Emergency Planning - None

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65)

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).

SECTION 16: OTHER

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