




Safety Data Sheet

SECTION 1: Identification

Identifier Code(s):	FE-NCLEANER
Product Name:	Finish Em Cleaner
Manufactured By:	TRUCKMOUNTFORUMS 1728 S Park CT Chesapeake, VA 23320 1-800-949-7726 E-Mail: support@truckmountforums.com
Product Use:	Institutional Cleaning Concentrate as classified under Consumer Goods Regulations
Restrictions for Use:	Application and sale for Institutional/Commercial use only. Not for retail sale.
Emergency Contact Information	INFOTRAC 1-800-535-5053 Outside US and Canada 1-352-323-3500 NOTE: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

SECTION 2: Hazard(s) Identification

Hazard Classification:	Mixture
Hazard Category	Category 4
Signal Word:	Warning 
Symbol(s) of Product:	
Hazard Statement(s):	Causes skin irritation Causes eye irritation
H315	
H320	
Precautionary Statement(s):	Wear protective gloves/eye protection. Wash hands thoroughly after handling. IF SWALLOWED, Rinse mouth. Do NOT induce vomiting. If skin irritation occurs, rinse skin with water/shower. If experiencing respiratory symptoms, remove person to fresh air and keep comfortable for breathing.
P280	
P264	
P301+P330+P331	
P332+P353	
P342+P340	
P305+P351+P338+P337+ P313	IF IN EYES, 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.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation(s).

Mixture content percentage of unknown toxicity: 0%

SECTION 3: Composition / Information on Ingredient(s)

Hazardous Ingredients	CAS Number	% WT	GHS Classification
2-butoxyethanol	111-76-2	5.0%	Flammable Liquids Category 4, Oral Category 4, Inhalation Category 4, Dermal Category 4, Skin irritation Category 2, Eye irritation Category 2A
2-Dimethylaminoethanol	108-01-0	1.6%	Flammable Liquids Category 3, Oral Category 4, Inhalation Category 3, Dermal Category 4, Skin corrosion Category 1B, Eye Damage Category 1, Aquatic Category 3
Di(ethylene glycol) ethyl ether	111-90-0	4.1%	No Hazardous Category

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified hazardous to health or the environment.

SECTION 4: First-Aid Measures

Description of First-Aid Measures

Move to safe area. Treat symptomatically. If you feel unwell, seek medical advise immediately. No action shall be taken involving any personal risk or without suitable training.

Inhalation

If signs of dizziness; remove the affected person to fresh air. If symptoms persist; seek medical attention.

Skin Contact	Remove contaminated clothing. Thoroughly flush and wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention. Wash affected clothing before reuse.
Eye Contact	Rinse eyes under running water immediately. Check for and remove contact lenses, if found. Continue to flush eyes under clean clear running water for 15 minutes while holding eyes open. Lift eyelids periodically when rinsing. If irritation persists, seek medical attention.
Ingestion	Rinse mouth out with water. Do not swallow rinse. Give two glasses of water for dilution. DO NOT induce vomiting. Never give anything by mouth to an unconscious person; seek medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2 and/or Section 11.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media	Use carbon dioxide, all purpose dry chemical, water, water fog, or chemical foam; polymer foam is preferred for large fires. Product is not considered flammable or combustible by WHMIS/OSHA criteria.
Hazards Developed due to Fire	None known
Advice for Firefighters	Firefighters should wear self-contained breathing apparatus. Floor may become slippery if material is released, caution is advised.

SECTION 6: Accidental Release Measures

Personal Protective Equipment	Use protective equipment; gloves, eye protection, and shoe covers.
Emergency Procedures	Protect area from further release of spread. This product does not pose any threat to area personnel.
Material Containment	Prevent further spread of product to surrounding area(s), including into drains.
Clean-up Procedures	Use absorbent materials to mop up spill. Allow product in absorbent materials to dry before disposal into standard trash. Do not dispose of liquid material into standard trash. Clean mop area with appropriate cleaning chemical after spill is removed.

SECTION 7: Handling and Storage

Precautions for Handling	Avoid contact with skin and eyes. Do not swallow. Handle container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. See Section 2 for precautions.
Safe Storage	Do not store in extremely high temperatures, above 115°F (46°C). Do not store in area below 32°F (0°C). Keep out of the reach of children. Keep container tightly closed. Keep away from food, drink animal feeding stuffs. Protect containers from abuse.

SECTION 8: Exposure Controls / Personal Protection**Exposure Limits - Components with Workplace Control Parameters**

Substance	Results	ACGIH	NIOSH	OSHA	AIHA (WEEL)
2-Butoxyethanol	TWAs	200 mg/g	Eyes - 5 ppm 24 mg/m3	Dermal - 50 ppm 240 mg/m3	20 ppm
2-Dimethylaminoethanol	TWAs				25 ppm

Key to Abbreviations:

STEL= Short Term Exposure Limits based on 15-minute exposures

TWA= Time-Weighted Average based on 8h/day, 40h/week

ACGIH= American Conference of Government Industrial Hygiene

NIOSH= National Institute of Occupational Safety and Health

OSHA= Occupational Safety and Health Administration

TLV= Total Limit Volume

AIHA= American Industrial Hygiene Association

Engineering Controls	Handle and apply / use product in a work area that has positive and / or air flow. Avoid unventilated areas. Use fans when necessary.
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Personal Protective Measures

Eye/Face Protection	Use ANSI, NIOSH or European Standard EN166 approved safety glasses.
Skin Protection:	Impervious gloves recommended for general protection. Nitrile gloves are appropriate.
Respiratory Protection:	Not required
General Hygiene Considerations:	Handle according to established industrial hygiene and safety practices. Avoid contact with eyes and skin. Thoroughly wash after handling and before eating or drinking. There are no known hazards associated with this material when used as recommended.

SECTION 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear to slight haze, no color

Viscosity:	Not Applicable
Solubility:	Soluble in water
Specific Gravity:	0.99
Weight Solids (theoretical):	0
Volume Solids (theoretical):	0
Odor:	Mild
Odor Threshold:	Non-Determined
Vapor Pressure (mmHg):	Not Established
Vapor Density (Air=1)	Heavier than Air
pH :	10.0-10.5
Melting Point:	Not Determined
Freezing Point:	28F - estimated
Boiling Point and Range:	Not Established
Flashpoint:	NOT Flammable or combustible
Evaporation Rate:	Not Established
Flammability (solid, gas):	Non-Flammable
Upper / Lower Flammability Rate:	Not Applicable
Auto-Ignition Temperature:	Not Applicable
Partition Coefficient (n-octanol/water):	Not Established
Decomposition Temperature:	Not Established
Volatile Organic Compounds % :	<10%

Consumer Goods Regulations**SECTION 10: Stability and Reactivity**

Reactivity:	Not Reactive
Chemical Stability:	Stable. No known instability under normal storage conditions.
Other:	
Hazardous Decomposition or By-Products	Decomposition will not occur if handled and stored properly. In case of a fire, carbon dioxide and carbon monoxide and smoke may be produced.
Possible Hazardous Reactions:	None Known
Conditions to avoid	Extreme temperatures will cause shortened shelf life of product.
Incompatible Materials	Non-water miscible substances.

SECTION 11: Toxicological Information**Acute Toxicity**

Substance	LC50 - Inhalation	LD50 - ORAL	LD50 - DERMAL
2-butoxyethanol	450 ppm - 4hr	470 mg/kg - Rat	LD50 Intraperitoneal - 220 mg/kg Rat
			LD50 Intravenous 307 mg/kg - Rat
Di(ethylene glycol) ethyl ether	200 mg/l - Rat	10,502 mg/kg - Rat	9143 mg/kg - Rabbit
2-Dimethylaminoethanol	1641 ppm - 4hr - Rat (male)	1182.7 mg/kg - Rat (male and female)	1219 mg/kg Rabbit (male)

Chronic Effects

Substance	Skin Corrosion / Irritation	Eye Irritation / Damage	Target Organs	Carcinogen or Potential
2-butoxyethanol	Open Irritation - Rabbit	Moderate Eye Irritation - Rabbit 24hr	Central Nervous System	Not Classified as
Di(ethylene glycol) ethyl ether	Mild Irritation - Rabbit	Mild Irritation - Rabbit	No data available	Not Classified as
2-Dimethylaminoethanol	Corrosive 1hr - Rabbit - Buehler Test - No sensitisation	Corrosive - Rabbit	No data available	Not Classified as

SECTION 12: Ecological Information**Aquatic and or Terrestrial Organism Tests Toxicity Tests**

Substance	Test	Species	Results
2-butoxyethanol	LC50	other fish	220 mg/l - 96hr
	EC50	Daphnia magna	1815 mg/L 24hr
Di(ethylene glycol) ethyl ether	LC50	Pimephales promelas	9650 mg/l 96hr
	EC50	Daphnia magna	3340 mg/l 48hr

2-Dimethylaminoethanol	LC50	Leuciscus idus	100-220 mg/l 96hr
	LC50 Static	Leuciscus idus	146.63 mg/a 96hr
	EC50 Static	Desmodesmus subspicatus	66.08 mg/l 72hr
	EC50 Static	Daphnia magna	98.37 mg/l 48hr

Persistence and Degradability - Not Biodegradability

Substance	Test	Type	Duration or Dose	Result	Class
2-butoxyethanol				88%	Ratio BOD/Th BOD
2-Dimethylaminoethanol	Aerobic		14 d	60.5%	Readily BOD

Bioaccumulative Potential - According to data on the substances, not potentially bioaccumulative

No data available

Potential to Move from Soil to Groundwater

No data available

Other Adverse Effects

Substance	Test	Type	Results	Sample Organism Tested	Reference for Ecological Effect
No other data available					

Other Information:

This product is classified as: Not known to be harmful to organisms, may cause long-term adverse effects in the aquatic environment

SECTION 13: Disposal Considerations

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste compliance with applicable laws are the responsibility solely of the waste generator. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Dispose of liquid surplus product via a licensed waste disposal contractor. Do not dispose of liquid product in landfill. See Section 8 for information on appropriate personal protective equipment.

SECTION 14: Transport Information

DOT (US)	Not regulated as a dangerous goods
TGA Classification	Not regulated as a dangerous goods
Mexico Classification	Not regulated as a dangerous goods
IMDG-Code	Not regulated as a dangerous goods
IATA-DGR	Not regulated as a dangerous goods
49 CFR	Not regulated as a dangerous goods

SECTION 15: Regulatory Information

US Federal Regulations

OSHA Hazard Communication Standard (CFR29 1910.1200)	NOT Hazardous Chemical
CERCLA - Comprehensive Response Compensation and Liability Act:	None
California Proposition 65:	This product does not contain a chemical known to the State of California to cause cancer, birth
TSCA - Toxic Substances Control Act:	All components of this product and on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

USA - Clean Air Act

Superfund Amendments and Reauthorization Act of 1986 Title III

SARA Section	313	302
2-butoxyethanol	Yes	No
Di(ethylene glycol) ethyl ether	Yes	No
2-Dimethylaminoethanol	No	No

State Right-to-Know:

Substance	California Prop 65	Mass-achusetts	New Jersey	Penn-sylvania	Rhode Island
2-butoxyethanol	No	Yes	Yes	Yes	Yes
Di(ethylene glycol) ethyl ether	No	Yes	Yes	Yes	Yes
2-Dimethylaminoethanol	No	Yes	Yes	Yes	Yes

SECTION 16: Other Information

Date of Original 2.29.2024

Revision Date

Reason for Revision

Notice to the Reader

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third party/persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.