

# SAFETY DATA SHEET – TarGo® EF

## 1. Identification

**1.1 Product Identifier:** TarGo EF

**1.2 Recommended Use of the Chemical and Restrictions on Use:** Removes oil based stains from textiles. For industrial/institutional use only. Do not use at home. Keep out of reach of children.

**1.3 Details of the Supplier of the Safety Data Sheet:**

A. L. Wilson Chemical Co., PO Box 207, Kearny, NJ 07032, USA

Telephone: 201-997-3300

E-mail: SDS@ALWilson.com

**1.4 Emergency Telephone Number:**

Chemtrec: 800-424-9300 or 703-527-3887

## 2. Hazards Identification

**2.1 Classification of the Substance or Mixture:**

Eye Irritant – Category 2

**2.2 Label Elements:**

**Contains:** 2-(2 Butoxy Ethoxy) Ethyl Acetate [124-17-4], 2-(2-Ethoxyethoxy) Ethyl Acetate [112-15-2], 2-(2 Propoxyethoxy) Ethanol [6881-94-3], DPNB [29911-28-2], Distillate (Petroleum) Hydrotreated Light [64742-47-8].

**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Statements:**

H319: Causes serious eye irritation.

**Precautionary Statements:**

**Prevention:**

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P308+P313: If exposed or concerned: Get medical advice/attention.

P301+P330+P331+P321: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

P303+P361+P353+P363: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage:**

P234: Keep only in original container.

**Disposal Considerations:**

P501: Dispose of contents/container to waste collection point and in accordance to applicable regulations.

**2.3 Other Hazards:**

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

See section 8 for exposure limits.

## 3. Composition/Information on Ingredients

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Name	CAS No.	Concentration
2-(2-Butoxy Ethoxy) Ethyl Acetate	124-17-4	15% ≤ C ≤ 25%
2-(2-Ethoxyethoxy) Ethyl Acetate	112-15-2	15% ≤ C ≤ 25%
2-(2-Propoxyethoxy) Ethanol	6881-94-3	20% ≤ C ≤ 30%
DPNB (Dipropylene glycol n-butylether)	29911-28-2	10% ≤ C ≤ 20%
Distillate (Petroleum) Hydrotreated Light	64742-47-8	5% ≤ C < 10%

## 4. First Aid Measures

### 4.1 Description of Necessary First Aid Measures:

**General Information:** If exposed or concerned: Get medical advice/attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact:** Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

### 4.2 Most Important Symptoms/Effects, both Acute and Delayed:

**Eye Contact:** Causes serious eye irritation.

**4.3 Indication of Immediate Medical Attention and Special Treatment Needed:** See section 4.1.

## 5. Fire-fighting Measures

**5.1 Suitable Extinguishing Media:** Use water, fog, foam, or Carbon Dioxide “CO<sub>2</sub>” for fires in area.

**5.2 Specific Hazards Arising from the Substance or Mixture:** Not Determined.

**5.3 Special Protective Action for Fire-fighters:** Use appropriate Personal Protective Equipment when fighting chemical fires. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**Additional Information:** Use water spray to cool nearby containers exposed to fire.

## 6. Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Cordon off spill area. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**6.2 Environmental Precautions:** Avoid release to the environment. Dispose of contents/container to waste collection point and in accordance to applicable regulations.

**6.3 Methods and Materials for Containment and Cleaning Up:** Use a universal absorbent material to collect waste and dispose to collection point and in accordance to applicable regulations.

## 7. Handling and Storage

**7.1 Precautions for Safe Handling:** Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

### 7.2 Conditions for Safe Storage, Including any Incompatibles:

**Storage Class:** General

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Store only in original container. Keep container sealed when not in use.

**Packaging Material:** Plastic.

**Unsuitable Packaging Material:** Not determined.

## 8. Exposure Controls / Personal Protection

### 8.1 Control Parameters:

Exposure Limits Values

Name	Air Concentration USA ACGIH TLV (ppm)	Air Concentration USA OSHA TWA (mg/m <sup>3</sup> )
Distillate (Petroleum) Hydrotreated Light	152*	1200 mg/m <sup>3</sup>
DPNB (Dipropylene glycol n-butylether)	-	10 mg/m <sup>3</sup>

\*Data obtained and provided by supplier.

### 8.2 Exposure Controls:

**Engineering Measures:** Work in a well ventilated area or under a ventilation hood.

### 8.3 Individual Protection Measures, such as Personal Protective Equipment:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**Eye Protection:** Wear closed safety glasses or chemical splash goggles.

**Skin Protection:** Wear protective clothing.

**Respiratory Protection:** None needed when used with adequate ventilation.

**Hand Protection:** Wear protective gloves. Gloves must be inspected prior to use. Replace if worn or damaged. Do not reuse.

**Hygiene Measures:** Wash thoroughly after handling. Do not smoke, eat or drink in work area.

## 9. Physical and Chemical Properties

**Appearance:** Clear to Light Yellow Liquid.

**Odor:** Light Solvent Odor.

**Odor Threshold:** Not Determined.

**pH:** ~8.5 (10% by Weight in Water).

**Melting Point/Freezing Point (°C):** Not Determined.

**Initial Boiling Point/Boiling Point Range (°C):** Not Determined.

**Flash Point (°C):** >93.3°C (>200°F).

**Evaporation Rate:** Not Determined.

**Flammability (solid, gas):** Not Applicable.

**Upper/Lower Flammability or Explosive Limits:** Not Applicable.

**Vapor Pressure:** Not Determined.

**Vapor Density:** Not Determined.

**Relative Density (Water = 1):** 0.95 at 20°C.

**Solubility:** Low Solubility in Water.

**Partition Coefficient: n-Octanol/Water:** Not Determined.

**Auto-ignition Temperature:** Not Applicable.

**Viscosity:** Not Determined.

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**Explosive Properties:** Not Applicable.

**Oxidizing Properties:** Not Applicable.

## 10. Stability and Reactivity

**10.1 Reactivity:** No information available.

**10.2 Chemical Stability:** Stable if used according to specifications.

**10.3 Possibility of Hazardous Reactions:** No information available.

**10.4 Conditions to Avoid:** No information available.

**10.5 Incompatible Materials:** Strong acids, oxidizing and reducing agents.

**10.6 Hazardous Decomposition Products:** In case of fire: Carbon Dioxide, Carbon Monoxide.

## 11. Toxicological Information

**Acute Toxicity:** Data not available for mixture.

**Skin Corrosion/Irritation:** May cause skin irritation.

**Serious Eye Damage/Eye Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** No information available.

**Germ Cell Mutagenicity:** No information available.

**Carcinogenicity:** Not listed by NTP, IARC, OSHA, or ACGIH as a carcinogen.

**Reproductive Toxicity:** No information available.

**Specific Target Organ Toxicity – Single Exposure:** No information available.

**Specific Target Organ Toxicity – Repeated Exposure:** No information available.

**Aspiration Hazard:** No information available.

**Inhalation:** No information available.

**Subchronic/Chronic Toxicity:** No information available.

## 12. Ecological Information

**12.1 Ecotoxicity:**

**Aquatic Toxicity:** Not determined.

**12.2 Persistence and Degradability:** Biodegradable.

**12.3 Bioaccumulative Potential:** Not expected to bio-accumulate.

**12.4 Mobility in Soil:** No information available.

**12.5 Results of PBT and vPvB Assessment:** This product does not contain PBT or vPvB substances.

**12.6 Other Adverse Effects:** No data available.

## 13. Disposal Considerations

**13.1 Disposal Methods:**

**Product (Any Residual Waste/Unused Product):** Dispose of any residual product waste or unused product to waste collection point and in accordance to applicable regulations. Avoid release to the environment.

**Packaging (White Plastic):** After use, close empty bottle, and dispose of to waste collection point and in accordance to applicable regulations.

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## 14. Transport Information

14.1 UN-Number: Not Regulated.

14.2 UN Proper Shipping Name: Not Regulated.

14.3 Transport hazard class(es): Not Regulated.

14.4 Packing group: Not Regulated.

14.5 Environmental Hazard(s): Not Regulated.

14.6 Special Precaution to User: See section 7.

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

## 15. Regulatory Information

### 15.1 Safety Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### U.S. Regulations:

All components are on TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES: Fire

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
2-(2 Butoxy Ethoxy) Ethyl Acetate*	124-17-4	20% ≤ C ≤ 30%
2-(2 Propoxyethoxy) Ethanol*	6881-94-3	30% ≤ C ≤ 40%
2-(2-Butoxyethoxy)Ethyl Acetate*	112-15-2	20% ≤ C ≤ 30%

\*Subject to SARA, Title III Section 313 and 40 CFR 372 – (Glycol Ethers)

## 16. Further Information

#### Abbreviations and Acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists.

C = Concentration (weight percent).

DOT = Department of Transportation (United States).

IMDG = International Maritime Dangerous Goods Code.

IARC = International Agency for Research on Cancer.

OSHA = Occupational Safety & Health Administration.

PBT = Persistent, Bioaccumulative and Toxic Substances.

ppm = parts per million.

OELV = Occupational Exposure Limits Values.

TLV = Threshold Limit Values.

TSCA = Toxic Substance Control Act.

TWA = Time-Weighted Average.

vPvB = very Persistent and very Bioaccumulative Substances.

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