SAFETY DATA SHEET – **TarGo® Dry**

1. Identification

1.1 Product Identifier: TarGo Dry

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:
Flammable Liquid and Vapor – Category 3
Carcinogenicity – Category 1
Skin Irritant – Category 2
Eye Irritant – Category 2
Ingestion – Category 4
Inhalation – Category 4
Specific Target Organ Toxicity – Single Exposure – Narcotic Effects – Category 3

2.2 Label Elements:

Contains: Ethanol 2-(2-butoxyethoxy) [112-34-5], Methyl Isoamyl Ketone [110-12-3], Trichloroethylene [79-01-6], Nonylphenol Ethoxylate [9016-45-9].

Hazard Pictograms:

Signal Word: Danger

Hazard Statements:
H226: Flammable liquid and vapor.
H302+H332: Harmful if swallowed or inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H350: May cause cancer.

Precautionary Statements:

Prevention:
P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P261: Avoid breathing vapors.
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.
P405: Store locked up.

Disposal Considerations:
P501: Dispose of contents/container to hazardous or special waste collection point and in accordance to applicable regulations.

2.3 Other:
Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.
See section 8 for exposure limits.

3. Composition/Information on Ingredients

Name	CAS No.	Concentration
Ethanol 2-(2-butoxyethoxy)	112-34-5	30% ≤ C ≤ 50%
Trichloroethylene	79-01-6	15% ≤ C ≤ 25%
Methyl Isoamyl Ketone [5-methylhexan-2-one]	110-12-3	5% ≤ C ≤ 15%
Nonylphenol Ethoxylate	9016-45-9	1% ≤ 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:

Ingestion: May cause headache, nausea, vomiting, breathing difficulty, weakness if swallowed.

Eye Contact: Liquid can be severely irritating to eyes.

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, Carbon Dioxide "CO_2", dry chemical or foam.

5.2 Specific Hazards Arising from the Substance or Mixture: Fire creates toxic gases/vapors/fumes of Hydrogen Chloride (corrosive), Carbon Monoxide, and Phosgene (toxic) in small amounts.

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 hazardous or special 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. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing vapors. 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: Flammable.

Store only in original container. Safely lock container in a cool and well ventilated place away from ignition sources. Keep container sealed when not in use.

Packaging Material: Brown glass.

Unsuitable Packaging Material: Any plastic container or clear glass container.

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^3)
5-methylhexan-2-one	50	
Ethanol 2-(2-butoxyethoxy)	35*	
Trichloroethylene		100
*Reported 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 and protective apron.

Respiratory Protection: Wear mask approved for organic vapors and solvents.

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: Light Yellow to Amber Solution.

Odor: Slightly Sweet Odor.

Odor Threshold: Not Determined.

pH: Not Applicable.

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

Initial Boiling Point/Boiling Point Range (°C): 90 – 120.

Flash Point (°C): ≥ 46.67 (116°F).

Evaporation Rate: Not Determined.

Flammability (solid, gas): Not Determined.

Upper/Lower Flammability or Explosive Limits: Not Determined.

Vapor Pressure: Not Determined.

Vapor Density: Not Determined.

Relative Density (Water = 1): 1.06 at 20°C.

Solubility: Highly soluble in water and Perc.

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

Auto-ignition Temperature: Not Determined.

Viscosity: Not Determined.

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: Avoid contact with heat, sparks and flame.

10.5 Incompatible Materials: No information available.

10.6 Hazardous Decomposition Products: In case of fire: Combustion liberates Hydrogen Chloride, Carbon Monoxide, and Phosgene in small amounts.

11. Toxicological Information

Acute Toxicity: Data Not Available for Mixture.

Toxicological Information on Ingredients:		**Acute Toxicity**		
Name	CAS No.	Oral LD50 (Rat - mg/Kg)	Inhalation LC50 (Rat – 4H – ppm)	Dermal LD50 (Rabbit – mg/Kg)
Ethanol 2-(2-butoxyethoxy)	112-34-5	5660	-	2700
5-methylhexan-2-one	110-12-3	3700	2542	8120
Trichloroethylene	79-01-6	4920	8450	20000
Nonylphenol Ethoxylate	9016-45-9	3310	-	>2000

Skin Corrosion/Irritation: Causes skin irritation. Prolonged or repeated contact can result in de-fatting and drying of skin, and dermatitis.

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

Respiratory or Skin Sensitization: No information available.

Germ Cell Mutagenicity: No information available.

Carcinogenicity: Suspected to cause cancer (Presumed carcinogenic to humans).

Reproductive Toxicity: No information available.

Specific Target Organ Toxicity – Single Exposure: Narcotic effects.

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

Aspiration Hazard: No information available.

Inhalation: Exposure to high concentrations may cause irritation or dryness of the respiratory system, dizziness, drowsiness and loss of consciousness.

Subchronic/Chronic Toxicity: No information available.

12. Ecological Information

12.1 Ecotoxicity:

Aquatic Toxicity: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

12.2 Persistence and Degradability: Expected to moderately biodegrade.

12.3 Bioaccumulative Potential: No information available.

12.4 Mobility in Soil: Accidental spillage may lead to penetration in the soil and groundwater.

12.5 Results of PBT and vPvB Assessment: This product contains PBT 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 hazardous or special waste collection point and in accordance to applicable regulations. Avoid release to the environment.

Packaging (Glass): After use, close empty bottle, and dispose of to hazardous or special waste collection point and in accordance to applicable regulations.

14. Transport Information

Domestic Ground Transport Only (no aircraft or vessel): Ltd Qty

Export Transport Only: Flashpoint 116°F (46.67°C)

14.1 UN-Number: UN1992

14.2 UN Proper Shipping Name: Flammable Liquids, Toxic, N.O.S. (contains Methyl Isoamyl Ketone / Trichloroethylene)

14.3 Transport hazard class(es): 3 (6.1)

14.4 Packing group: PG III

14.5 Environmental Hazard(s): Marine Pollutant: No

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:
Inventory Status: All components are on TSCA.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
SARA (311/312) Hazard Categories: Acute/Chronic.

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

Chemical Name	CAS Number	Concentration
Trichloroethylene	79-01-6	15% ≤ C ≤ 25%
Ethanol 2-(2-butoxyethoxy)	112-34-5	30% ≤ C ≤ 50%
*Subject to SARA Title III Section 313 and 40 CFR 372 – (Glycol Ethers).		

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

⚠ **WARNING:** This product can expose you to chemicals including trichloroethylene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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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