



ISSUE DATE: September 2013

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VERSION: 1

1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME SURE STEP

OTHER MEANS OF IDENTIFICATION

SDS Number E-023

Recommended Uses Finishing agent.

SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.
DBA Emulso
2750 Kenmore Avenue
Tonawanda, NY 14150

EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889
COMPANY FAX NUMBER (716) 854-2809
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)
NORTH AMERICA 800-535-5053
INTERNATIONAL 352-323-3500

2. HAZARDS IDENTIFICATION

CLASSIFICATION

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

SIGNAL WORD: Warning

APPEARANCE According to product specification PHYSICAL STATE Liquid

OTHER HAZARDS Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
tributoxyethyl phosphate	78-51-3	1-5
Glycol ether TPM	25498-49-1	1-5
Dipropylene Glycol Monomethyl Ether (DPM)	34590-94-8	1-5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**DESCRIPTION OF FIRST AID MEASURES**

- GENERAL ADVICE** Provide this SDS to medical personnel for treatment.
- EYE CONTACT** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- SKIN CONTACT** Wash off immediately with plenty of water for at least 15 minutes.
- INHALATION** Remove to fresh air.
- INGESTION** Clean mouth with water and drink afterwards plenty of water.

POTENTIAL ACUTE HEALTH EFFECTS

Most important symptoms and effects, both acute and delayed

- SYMPTOMS** Not determined.
- NOTES TO PHYSICIAN** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- UNSUITABLE EXTINGUISHING MEDIA** Not determined.
- SPECIFIC HAZARDS ARISING FROM CHEMICAL** Not determined.
- HAZARDOUS COMBUSTION PRODUCTS** Not determined.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

- PERSONAL PRECAUTIONS** Use personal protective equipment as required.
- ENVIRONMENTAL PRECAUTIONS** See Section 12 for additional Ecological Information.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

- CONTAMINATION** Prevent further leakage or spillage is safe to do so
- CLEAN-UP** Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

STORAGE CONDITIONS Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

INCOMPATIBLE MATERIALS None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dipropylene Glycol Dimethyl Ether (DPM) 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m3 (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m3 STEL: 150 ppm STEL: 900 mg/m3

ENGINEERING CONTROLS: Apply technical measures to comply with the occupational exposure limits.

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION Refer to 29 CFR 1910.133 for eye and face protection regulations.
SKIN/BODY PROTECTION Refer to 29 CFR 1910.138 for appropriate skin and body protection.
RESPIRATORY PROTECTION Refer to 29 CFR 1910.134 for respiratory protection requirements.
GENERAL HYGIENE Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Opaque
COLOR	White
ODOR	None
ODOR THRESHOLD	Not determined
pH	9.03
MELTING POINT/FREEZING POINT	Not determined
BOILING POINT/BOILING RANGE	Not determined
FLASH POINT	Not determined
EVAPORATION RATE	Not determined
FLAMMABILITY (SOLID, GAS)	Not determined
UPPER FLAMMABILITY LIMITS	Not determined
LOWER FLAMMABILITY LIMITS	Not determined
VAPOR PRESSURE	Not determined

SPECIFIC GRAVITY	1.00
RELATIVE DENSITY	Not determined
WATER SOLUBILITY	Not determined
PARTITION COEFFICIENT	Not determined
N-OCTANOL/ WATER	Not determined
AUTO-IGNITION TEMPERATURE	Not determined
DECOMPOSITION TEMPERATURE	Not determined
VISCOSITY	Not determined

10. STABILITY AND REACTIVITY

REACTIVITY	Not reactive under normal conditions
CHEMICAL STABILITY	Stable under recommended storage conditions
POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing
CONDITIONS TO AVOID	Keep out of reach of children.
INCOMPATIBLE MATERIALS	None known based on information supplied.
HAZARDOUS DECOMPOSITION PRODUCTS	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

EYE CONTACT	Avoid contact with eyes.
SKIN CONTACT	Avoid contact with skin
INHALATION	Do not inhale.
INGESTION	Do not ingest.

COMPONENT INFORMATION

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
tributoxyethyl phosphate 78-51-3	= 3000 mg/kg (Rat))	> 16 mL/kg (Rabbit)	> 6.4 mg/L (Rat) 4 h
Di(ethylene glycol) ethyl ether 111-90-0	= 1920 mg/kg (Rat))	= 6 mL/kg (Rat) = 4200 µL/kg (Rabbit)	> 5240 mg/m3 (Rat) 4 h
Glycol ether TPM 25498-49-1	= 3184 mg/kg (Rat))	= 15440 mg/kg (Rabbit)	-
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	= 5230 mg/kg (Rat))	= 9500 mg/kg (Rabbit)	-

INFORMATION ON PHYSICAL, CHEMICAL AND TOXICOLOGICAL EFFECTS

SYMPTOMS Please see section 4 of this SDS for symptoms.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

CARCINOGENICITY Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

NUMERICAL MEASURES OF TOXICITY Not determined

12. ECOLOGICAL INFORMATION

ECOTOXICITY Harmful to aquatic life with long lasting effects.

CHEMICAL NAME	ALGAE/ AQUATIC PLANTS	FISH	CRUSTACEA
tributoxyethyl phosphate 78-51-3	-	10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	
Di(ethylene glycol) ethyl ether 111-90-0	-	10000: 96 h Lepomis macrochirus mg/L LC50 static 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700: 96 h Pimephales promelas mg/L LC50 flow-through 13400: 96 h Salmo gairdneri mg/L LC50 flow-through	3940 - 4670: 48 h Daphnia magna mg/L EC50
Glycol ether TPM 25498-49-1	-	11619: 96 h Pimephales promelas mg/L LC50 static	10: 48 h Daphnia magna mg/L EC50
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	-	10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L LC50

PERSISTENCE AND DEGRADABILITY Not determined

BIOACCUMULATION Not determined

MOBILITY

Chemical Name	Partition Coefficient
tributoxyethyl phosphate 78-51-3	3.65 - 4.78
Di(ethylene glycol) ethyl ether 111-90-0	-0.8
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	-0.064

OTHER ADVERSE EFFECTS Not determined

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL	Disposal should be in accordance with applicable regional, national and local laws and regulations.
CONTAMINATED PACKAGING	Disposal should be in accordance with applicable regional, national and local laws and regulations.



CALIFORNIA HAZARDOUS WASTE STATUS

Chemical Name California Hazardous Waste Status

Zinc Ammonium Carbonate Compound Toxic
38714-47-5

14. TRANSPORT INFORMATION

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not Regulated

IATA

Not Regulated

IMDG

Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

Table with 11 columns: Chemical Name, TSCA, DSL, NDSL, EINECS, ELINCS, ENCS, IECSC, KECL, PICCS, AICS. Rows include tributoxyethyl phosphate, Glycol ether TPM, and Dipropylene Glycol.

LEGEND

- TSCA United States Toxic Substances Control Act Section 8(B) Inventory
DSL/NDSL Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS European Inventory of Existing/Notified Chemical Substances
ENCS Japan Existing and New Chemical Substances
IECSC China Inventory of Existing Chemical Substances
KECL Korean Existing and Evaluated Chemical Substances
PICCS Philippines Inventory of Chemicals and Chemical Substances
AICS Australian Inventory of Chemical Substances

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).



Safety Data Sheet

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold
Di(ethylene glycol) ethyl ether	111-90-0	1-5	1.0
Glycol ether TPM	25498-49-1	1-5	1.0
Dipropylene Glycol Monomethyl Ether (DPM)	34590-94-8	1-5	1.0
Zinc Ammonium Carbonate Compound	38714-47-5	1-5	1.0

CLEAN WATER ACT (CWA)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc Ammonium Carbonate Compound		X		

U.S. STATE REGULATIONS

CALIFORNIA PROPOSITION 65 This product contains the following Proposition 65 chemicals.

U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Di(ethylene glycol) ethyl ether 111-90-0	X		X
Glycol ether TPM 25498-49-1	X		X
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	X	X	X
Zinc Ammonium Carbonate Compound 38714-47-5	X		X

16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	Not determined

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET