

SAFETY DATA SHEET



FiberPRO TLC

Section 1. Identification

GHS product identifier : FiberPRO TLC

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Supplier's details : Betco Corporation
1001 Brown Avenue
Toledo, OH 43607
www.betco.com
888-462-3826

Emergency telephone number (with hours of operation) : Chemtrec 800-424-9300 (24 Hour)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.

Precautionary statements

Prevention : Wear protective gloves: 1 - 4 hours (breakthrough time): butyl rubber. Wear eye or face protection: Recommended: splash goggles. Wear protective clothing. Wash hands thoroughly after handling.

Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
Product code : 406

Ingredient name	%	CAS number
2-Butoxyethanol; Ethylene glycol monobutyl ether	≥3 - <5	111-76-2
Silicic acid, sodium salt	≥3 - <5	1344-09-8
sodium hydroxide	≥1 - <3	1310-73-2
Fatty acids, tall-oil, sodium salts	≥1 - <3	61790-45-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Section 4. First aid measures

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). **Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest.** If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
2-Butoxyethanol; Ethylene glycol monobutyl ether	OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 25 ppm 8 hours. TWA: 120 mg/m ³ 8 hours. NIOSH REL (United States, 10/2013). Absorbed through skin. TWA: 5 ppm 10 hours. TWA: 24 mg/m ³ 10 hours. ACGIH TLV (United States, 4/2014). TWA: 20 ppm 8 hours. OSHA PEL (United States, 2/2013). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 240 mg/m ³ 8 hours.

Section 8. Exposure controls/personal protection

sodium hydroxide

ACGIH TLV (United States, 4/2014).C: 2 mg/m³**OSHA PEL 1989 (United States, 3/1989).**CEIL: 2 mg/m³**NIOSH REL (United States, 10/2013).**CEIL: 2 mg/m³**OSHA PEL (United States, 2/2013).**TWA: 2 mg/m³ 8 hours.

Appropriate engineering controls

- : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: splash goggles

Skin protection

Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 1 - 4 hours (breakthrough time): butyl rubber

Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

- : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Personal protective equipment (Pictograms)



Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid.
Color	: Straw.
Odor	: Characteristic.
Odor threshold	: Not available.
pH	: 13 to 13.6
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: >150°C (>302°F) [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.06
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: acids
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-Butoxyethanol; Ethylene glycol monobutyl ether	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
	LD50 Dermal	Rabbit	220 mg/kg	-
	LD50 Oral	Rat	250 mg/kg	-
Silicic acid, sodium salt	LD50 Oral	Rat	1960 mg/kg	-

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-Butoxyethanol; Ethylene glycol monobutyl ether	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Silicic acid, sodium salt	Eyes - Severe irritant	Rabbit	-	24 hours 10 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-
sodium hydroxide	Eyes - Severe irritant	Monkey	-	24 hours 1 Percent	-
	Eyes - Mild irritant	Rabbit	-	400 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 milligrams	-
	Skin - Mild irritant	Human	-	24 hours 2 Percent	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
2-Butoxyethanol; Ethylene glycol monobutyl ether	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : Causes serious eye damage.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes severe burns.

Section 11. Toxicological information

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur

Ingestion : Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	6735.7 mg/kg
Dermal	22541 mg/kg
Inhalation (vapors)	225.4 mg/l

Section 12. Ecological information

Toxicity

Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
2-Butoxyethanol; Ethylene glycol monobutyl ether	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 µg/l Marine water	Crustaceans - Crangon crangon	48 hours
Silicic acid, sodium salt	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
	Acute EC50 0.4 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
sodium hydroxide	Acute LC50 494000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 40.38 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 125 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Chronic NOEC 56 mg/l Marine water	Fish - Poecilia reticulata - Young	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-Butoxyethanol; Ethylene glycol monobutyl ether	0.81	-	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.









Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	1760	1760	1760	1760	1760	1760
UN proper shipping name	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)	Corrosive liquid, n.o.s. (sodium hydroxide)

Section 14. Transport information

Transport hazard class(es)	8 	8 	8 	8  	8  	8 
Packing group	II	II	II	II	II	II
Environmental hazards	No.	No.	No.	Yes.	Yes.	No.
Additional information	-	-	-	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Tunnel code (E)	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.	The environmentally hazardous substance mark may appear if required by other transportation regulations.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) PAIR:** benzaldehyde
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
 All components are listed or exempted.
Clean Water Act (CWA) 311: sodium hydroxide; sodium dodecylbenzenesulfonate

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

Section 15. Regulatory information

SARA 311/312

Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-Butoxyethanol; Ethylene glycol monobutyl ether	≥3 - <5	No.	No.	No.	Yes.	No.
Silicic acid, sodium salt	≥3 - <5	No.	No.	No.	Yes.	No.
sodium hydroxide	≥1 - <3	No.	No.	No.	Yes.	No.
Fatty acids, tall-oil, sodium salts	≥1 - <3	No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-butoxyethanol	111-76-2	≥3 - <5
Supplier notification	2-butoxyethanol	111-76-2	≥3 - <5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: 2-BUTOXYETHANOL; Sodium Hydroxide Solution
- New York** : The following components are listed: Sodium hydroxide
- New Jersey** : The following components are listed: 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE; Sodium Hydroxide Solution
- Pennsylvania** : The following components are listed: ETHANOL, 2-BUTOXY-; Sodium Hydroxide Solution

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

- Australia** : All components are listed or exempted.
- Canada** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Europe** : All components are listed or exempted.
- Japan** : All components are listed or exempted.
- Malaysia** : Not determined.
- New Zealand** : All components are listed or exempted.
- Philippines** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.

Section 15. Regulatory information

Taiwan : All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		1
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Skin Corr. 1, H314 Eye Dam. 1, H318	On basis of test data On basis of test data

History

Date of printing : 4/1/2015.

Date of issue/Date of revision : 4/1/2015.

Date of previous issue : No previous validation.

Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

FIBERPRO® TLC

08/25/16
Janitorial
Supply



Traffic lane cleaner

Formulated to quickly penetrate and lift out grease and grime, this powerful blend of special surfactants and nonflammable solvent will quickly loosen and emulsify a variety of soils from both natural and synthetic fibers. TLC can also be used as a booster for rotary and extraction methods as this product cuts through and suspends the toughest soils for fast removal. Excellent for dry and wet spin bonnet applications as well.

Features

Simplifies stain removal - detergent solvent blend removes most stains
Labor saving - Fast solvent actions quickly emulsifies the worst "ground in" soil problems.
Economical - highly concentrated formula

Available In

4 - 1 Gal. Bottles Item #40604-00

Directions for Use

Recommended for use on all types of carpet (except 5th generation), fabric and upholstery. Vacuum carpet. Dilute with water as follows:

HEAVY SOIL: Dilute 12 oz./gal. or 94 mL/L (1:10) with water.

MODERATE SOIL: Dilute 6 oz./gal. or 47 mL/L (1:20) with water.

LIGHT SOIL: Dilute 3 oz./gal. or 25 mL/L (1:40) with water.

Apply at the rate of 50 – 100 sq. ft./gal. of diluted solution depending on nap and soil conditions. Allow this product to emulsify soil for 3-5 minutes and clean with normal methods. On natural fibers such as wool or cotton, never use a dilution other than "light soil" without testing prior in an inconspicuous area. If concentration greater than 1:10 is used, rinse with water. May be used as a prepay prior to extraction type cleaning or as heavy-duty shampoo.

For rotary dry foam or extraction, dilute as follows:

HEAVY SOIL: Dilute 12 oz./gal. or 94 mL/L (1:10) with water.

MODERATE SOIL: Dilute 6 oz./gal. or 47 mL/L (1:20) with water.

LIGHT SOIL: Dilute 3 oz./gal. or 25 mL/L (1:40) with water.

Please recycle empty containers.

Tech Specs

Color	Straw
Detergency	Excellent
Flash Point	None
Foam	Low
Fragrance	Pleasant
pH (diluted)	13.0
Rinsability	Very good
Shelf life	1 year
Solubility in Water	Complete
Specific gravity	1.06
Viscosity	10 centipoise

DIRECTIONS FOR USE: Read the entire label before using this product. Refer to product page at www.betco.com for more information. Recommended for use on all types of carpet (except 5th generation), fabric and upholstery. Vacuum carpet. Dilute with water as follows: HEAVY SOIL: Dilute 12 oz./gal. or 94 mL/L (1:10) with water. MODERATE SOIL: Dilute 6 oz./gal. or 47 mL/L (1:20) with water. LIGHT SOIL: Dilute 3 oz./gal. or 25 mL/L (1:40) with water. Apply at the rate of 50 - 100 sq. ft./gal. of diluted solution depending on nap and soil conditions. Allow this product to emulsify soil for 3 - 5 minutes and clean with normal methods. On natural fibers such as wool or cotton, never use a dilution other than "light soil" without testing prior in an inconspicuous area. If concentration greater than 1:10 is used, rinse with water. May be used as a prespray prior to extraction type cleaning or as a heavy-duty shampoo. For rotary dry foam or extraction, dilute as follows: HEAVY SOIL: Dilute 12 oz./gal. or 94 mL/L (1:10) with water. MODERATE SOIL: Dilute 6 oz./gal. or 47 mL/L (1:20) with water. LIGHT SOIL: Dilute 3 oz./gal. or 25 mL/L (1:40) with water. Please recycle empty containers.

INGREDIENTS: Water (7732-18-5); Sodium Metasilicate (6834-92-0); 2-Butoxyethanol (111-76-2); Tetrasodium EDTA (64-02-8); Sodium Tallate (61790-45-2).

No Phosphates



DANGER! CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. Wear protective gloves: 1 - 4 hours (breakthrough time); butyl rubber. Wear eye or face protection: Recommended; splash goggles. Wear protective clothing. Wash hands thoroughly after handling.

FIRST AID: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT

induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

SDS No. 406



RLB5762



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MODE D'EMPLOI : Lire toute l'étiquette avant d'utiliser ce produit. Reportez-vous à la page de produit à www.betco.com pour de plus amples renseignements. Recommandé pour tous les types de tapis (sauf ceux de 5e génération), de tissus et de rembourrages. Passer l'aspirateur sur le tapis. Diluer à l'eau comme suit: SALETÉ EXTRÊME : Diluer dans l'eau à 12 oz/gal. ou à 94 mL/L (1:10). SALETÉ MOYENNE : Diluer dans l'eau à 6 oz/gal. ou à 47 mL/L (1:20). SALETÉ LÉGÈRE : Diluer dans l'eau à 3 oz/gal. ou à 25 mL/L (1:40). Appliquer la solution diluée à raison de 50 - 100 pi²/gal., selon les conditions du duvet et des souillures. Laisser le produit émulsifier les souillures 3 à 5 minutes et nettoyer normalement. Sur des fibres naturelles comme la laine ou le coton, ne jamais employer d'autre concentration que «saleté légère» sans d'abord tester dans un coin discret. Si une concentration supérieure à 1:10 est utilisée, rincer à l'eau. Peut servir de prétraitement au lavage par extraction ou de shampooing haute performance. À l'emploi d'une machine rotative, d'une mousse sèche ou d'un aspirateur-extracteur, diluer comme suit: SALETÉ EXTRÊME : Diluer dans l'eau à 12 oz/gal. ou à 94 mL/L (1:10). SALETÉ MOYENNE : Diluer dans l'eau à 6 oz/gal. ou à 47 mL/L (1:20). SALETÉ LÉGÈRE : Diluer dans l'eau à 3 oz/gal. ou à 25 mL/L (1:40). Veuillez recycler les contenants vides.

Sans phosphate

DANGER ! PROVOQUE DES BRÛLURES DE LA PEAU ET DES LÉSIONS OCULAIRES GRAVES. Porter des gants de protection : 1 à 4 heures (temps de protection): caoutchouc butyle. Porter une protection oculaire ou faciale : Recommandé : lunettes étanches anti-éclaboussures. Porter des vêtements de protection. Se laver les mains soigneusement après manipulation.

PREMIERS SOINS : EN CAS D'INHALATION : Transporter la victime à l'extérieur et la maintenir au repos dans une position où elle peut confortablement respirer. Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. EN CAS D'INGESTION : Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. Rincer la bouche. Ne PAS faire vomir. EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux) : Retirer immédiatement tous les vêtements contaminés. Rincer la peau avec de l'eau ou doucher. Laver les vêtements contaminés avant réutilisation. Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. EN CAS DE CONTACT AVEC LES YEUX : Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. Garder sous clef. Éliminer le contenu et le récipient conformément à toutes les réglementations locales, régionales, nationales et internationales.

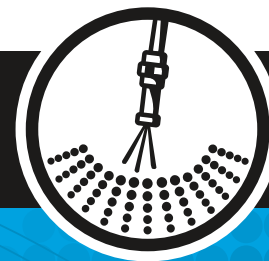
INSTRUCCIONES DE USO: Lea toda la etiqueta antes de utilizar este producto. Si necesita información adicional, consulte la página de productos en www.betco.com. Recomendado para usar en todo tipo de alfombras (excepto de 5ta generación), telas y tapicería. Aspire la alfombra. Diluya con agua de la siguiente manera: SUCIEDAD GRUESA: Diluya 12 onzas/galón o 94 mL/l (1:10) en agua. SUCIEDAD MODERADA: Diluya 6 onzas/galón o 47 mL/l (1:20) en agua. SUCIEDAD LIGERA: Diluya 3 onzas/galón o 25 mL/l (1:40) en agua. Aplique el producto a razón de 50 - 100 pies²/galón (1.2-2.4 m2/l) de solución diluida dependiendo del estado de la lanilla y la suciedad. Permita que este producto emulsifique la suciedad por 3 - 5 minutos y limpie con métodos normales. En fibras naturales tales como lana o algodón, nunca use ninguna dilución distinta a la de "suciedad ligera" sin probar antes en un área poco visible. Si usa una concentración mayor que 1:10, enjuague con agua. Se puede usar como rociado previo antes de una limpieza tipo extracción o como champú para servicio pesado. Para espuma seca rotativa o extracción, diluya de la siguiente manera: SUCIEDAD GRUESA: Diluya 12 onzas/galón o 94 mL/l (1:10) en agua. SUCIEDAD MODERADA: Diluya 6 onzas/galón o 47 mL/l (1:20) en agua. SUCIEDAD LIGERA: Diluya 3 onzas/galón o 25 mL/l (1:40) en agua. Recicle los recipientes vacíos.

Sin fosfatos

¡PELIGRO! PROVOCA GRAVES QUEMADURAS EN LA PIEL Y LESIONES OCULARES. Usar guantes de protección: 1 a 4 horas (tiempo de saturación): caucho butílico. Usar protección para los ojos o la cara: Recomendado: lentes anti-salpicaduras. Usar ropa protectora. Lavarse cuidadosamente las manos después de la manipulación.

PRIMEROS AUXILIOS: EN CASO DE INHALACIÓN: Transportar la víctima al aire libre y mantenerla en reposo en una posición que le facilite la respiración. Llamar inmediatamente a un CENTRO DE CONTROL DE ENVENENAMIENTO o a un médico. EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE CONTROL DE ENVENENAMIENTO o a un médico. Enjuagarse la boca. NO provocar el vómito. EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente toda la ropa contaminada. Lavar la piel con agua o tomar una ducha. Lavar la ropa contaminada antes de volverla a usar. Llamar inmediatamente a un CENTRO DE CONTROL DE ENVENENAMIENTO o a un médico. EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto, cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. Llamar inmediatamente a un CENTRO DE CONTROL DE ENVENENAMIENTO o a un médico. Guardar bajo llave. Eliminar el contenido y recipiente conforme a todas las reglamentaciones locales, regionales, nacionales e internacionales.

BETCO®



FiberPRO® TLC

Traffic Lane Cleaner • Concentrate
Nettoyant d'aire passante • Concentré
Limpiador de áreas transitadas • Concentrado

DANGER! CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. See precautions and first aid statement on side panel. KEEP OUT OF REACH OF CHILDREN. FOR INSTITUTIONAL AND COMMERCIAL USE.

DANGER ! PROVOQUE DES BRÛLURES DE LA PEAU ET DES LÉSIONS OCULAIRES GRAVES. Voir les précautions à prendre et l'énoncé de premiers soins sur la face latérale. GARDER HORS DE LA PORTÉE DES ENFANTS. POUR USAGE DANS LES INSTITUTIONS ET LES COMMERCE.

¡PELIGRO! PROVOCA GRAVES QUEMADURAS EN LA PIEL Y LESIONES OCULARES. Vea las precauciones e instrucciones de primeros auxilios en el panel lateral. MANTENGA ESTE PRODUCTO FUERA DEL ALCANCE DE LOS NIÑOS. PARA USO COMERCIAL Y EN INSTITUCIONES.

1 US gal (3.78 L)

CARPET PRESPRAY 406

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03/2016 - Master Label