

# SAFETY DATA SHEET

Water Based Gym Finish T303

## Section 1. Identification

**GHS product identifier** : Water Based Gym Finish T303  
**Product type** : Liquid

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

Not applicable

**Supplier's details** : TEAM LABORATORY CHEMICAL CORP.  
PO BOX 1467  
DETROIT LAKES, MN 56502  
Phone: 800-522-TEAM (8326)

**Emergency telephone number (with hours of operation)** : 1-800-535-5053 (24 Hours) (North America)  
1-352-323-3500 (24 hours) (International)

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 28%  
There is no toxicity data available for the polymer in this product, which is exempt and categorized in a low concern functional group under the EPA's Toxic Substances Control Act (TSCA).

### GHS label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Not applicable

**Response** : Not applicable

**Storage** : Not applicable

**Disposal** : Not applicable

**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** : 222SF

| Ingredient name           | %     | CAS number |
|---------------------------|-------|------------|
| 2-(2-butoxyethoxy)ethanol | 1 - 5 | 112-34-5   |
| N-methyl-2-pyrrolidone    | 1 - 5 | 872-50-4   |
| 2-butoxyethanol           | 1 - 5 | 111-76-2   |

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** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

## Section 4. First aid measures

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (section 8)

## 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  
nitrogen 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. 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".

**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.

## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. 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. 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).
- 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 and food and drink. 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-(2-butoxyethoxy)ethanol | <b>ACGIH TLV (United States, 6/2013).</b><br>TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor  |
| N-methyl-2-pyrrolidone    | <b>AIHA WEEL (United States, 10/2011).</b><br><b>Absorbed through skin.</b><br>TWA: 10 ppm 8 hours.   |
| 2-butoxyethanol           | <b>ACGIH TLV (United States, 6/2013).</b><br>TWA: 20 ppm 8 hours.<br><b>OSHA PEL 1989 (United States, 3/1989).</b><br><b>Absorbed through skin.</b><br>TWA: 25 ppm 8 hours.<br>TWA: 120 mg/m <sup>3</sup> 8 hours.<br><b>NIOSH REL (United States, 4/2013).</b><br><b>Absorbed through skin.</b><br>TWA: 5 ppm 10 hours.<br>TWA: 24 mg/m <sup>3</sup> 10 hours.<br><b>OSHA PEL (United States, 2/2013).</b><br><b>Absorbed through skin.</b><br>TWA: 50 ppm 8 hours.<br>TWA: 240 mg/m <sup>3</sup> 8 hours. |

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## Section 8. Exposure controls/personal protection

- 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: safety glasses with side-shields.
- 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.
- 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.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid
- Color** : Light Yellow
- Odor** : Bland
- Odor threshold** : Not available
- pH** : 7.5 to 8.5
- Melting point** : 0°C (32°F)
- Boiling point** : 100°C (212°F)
- Flash point** : Closed cup: >93.334°C (>200°F)
- Evaporation rate** : Not available
- Flammability (solid, gas)** : Not available
- Lower and upper explosive (flammable) limits** : Not available
- Vapor pressure** : <4 kPa (<30 mm Hg) [room temperature]
- Vapor density** : <1 [Air = 1]
- Specific gravity** : 1.04 g/cm<sup>3</sup>
- Solubility** : Not available

## Section 9. Physical and chemical properties

**Partition coefficient: n-octanol/water** : Not available

**Auto-ignition temperature** : Not available

**Viscosity** : Not available

**VOC content** : 254 g/l

VOCs are calculated following the requirements under 40 CFR, Part 59, Subpart C for Consumer Products and Subpart D for Architectural Coatings.

## 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** : No specific data.

**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-(2-butoxyethoxy)ethanol | LD50 Dermal          | Rabbit  | 2700 mg/kg | -        |
|                           | LD50 Oral            | Rat     | 4500 mg/kg | -        |
| N-methyl-2-pyrrolidone    | LD50 Dermal          | Rabbit  | 8 g/kg     | -        |
|                           | LD50 Oral            | Rat     | 3914 mg/kg | -        |
| 2-butoxyethanol           | LC50 Inhalation Gas. | Rat     | 450 ppm    | 4 hours  |
|                           | LD50 Dermal          | Rabbit  | 220 mg/kg  | -        |
|                           | LD50 Oral            | Rat     | 250 mg/kg  | -        |

#### Irritation/Corrosion

| Product/ingredient name   | Result                   | Species | Score | Exposure                | Observation |
|---------------------------|--------------------------|---------|-------|-------------------------|-------------|
| 2-(2-butoxyethoxy)ethanol | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 milligrams  | -           |
| N-methyl-2-pyrrolidone    | Eyes - Severe irritant   | Rabbit  | -     | 20 milligrams           | -           |
|                           | Eyes - Moderate irritant | Rabbit  | -     | 100 milligrams          | -           |
| 2-butoxyethanol           | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|                           | Eyes - Severe irritant   | Rabbit  | -     | 100 milligrams          | -           |
|                           | Skin - Mild irritant     | Rabbit  | -     | 500 milligrams          | -           |

#### Sensitization

Not available

#### Mutagenicity

## Section 11. Toxicological information

Not available

### Carcinogenicity

Not available

### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| 2-butoxyethanol         | -    | 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** : Not available

### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

### 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

## Section 11. Toxicological information

|                              |   |
|------------------------------|---|
| <b>General</b>               | : No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | : No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards. |
| <b>Teratogenicity</b>        | : No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | : No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route              | ATE value     |
|--------------------|---------------|
| Oral               | 10633.3 mg/kg |
| Dermal             | 9945.3 mg/kg  |
| Inhalation (gases) | 25570.3 ppm   |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                             | Result                               | Species                       | Exposure |
|---|--------------------------------------|-------------------------------|----------|
| 2-(2-butoxyethoxy)ethanol<br>N-methyl-2-pyrrolidone | Acute LC50 1300000 µg/l Fresh water  | Fish - Lepomis macrochirus    | 96 hours |
|   | Acute LC50 1.23 ppm Fresh water      | Daphnia - Daphnia magna       | 48 hours |
| 2-butoxyethanol                                     | Acute LC50 832 ppm Fresh water       | Fish - Lepomis macrochirus    | 96 hours |
|   | Acute EC50 1000 mg/l Fresh water     | Daphnia - Daphnia magna       | 48 hours |
|   | Acute LC50 800000 µg/l Marine water  | Crustaceans - Crangon crangon | 48 hours |
|   | Acute LC50 1250000 µg/l Marine water | Fish - Menidia beryllina      | 96 hours |

### Persistence and degradability

Not available

### Bioaccumulative potential

| Product/ingredient name   | LogP <sub>ow</sub> | BCF | Potential |
|---------------------------|--------------------|-----|-----------|
| 2-(2-butoxyethoxy)ethanol | 1                  | -   | low       |
| N-methyl-2-pyrrolidone    | -0.46              | -   | low       |
| 2-butoxyethanol           | 0.81               | -   | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : 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. 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 | IMDG          | IATA          |
|----------------------------|--------------------|---------------|---------------|
| UN number                  | Not regulated      | Not regulated | Not regulated |
| UN proper shipping name    | -                  | -             | -             |
| Transport hazard class(es) | -                  | -             | -             |
| Packing group              | -                  | -             | -             |
| Environmental hazards      | No.                | No.           | No.           |
| Additional information     | -                  | -             | -             |

**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** : **United States inventory (TSCA 8b):** All components are listed or exempted.

**EPA Registered Disinfectant Products** : Hazard and caution statements required under the OSHA 2012 regulations may be different from those required by the EPA FIFRA regulations for registered disinfectant products. Please refer to the EPA registered disinfectant label for this product for the appropriate hazard and caution statements required under the EPA FIFRA regulations.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

### SARA 311/312

**Classification** : Not applicable

### Composition/information on ingredients

**Section 15. Regulatory information**

| Name                      | %     | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---------------------------|-------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| 2-(2-butoxyethoxy)ethanol | 1 - 5 | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| N-methyl-2-pyrrolidone    | 1 - 5 | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| 2-butoxyethanol           | 1 - 5 | Yes.        | No.                        | No.      | Yes.                            | No.                             |

**SARA 313**

|  | Product name              | CAS number | %   |
|--|---------------------------|------------|-----|
| <b>Form R - Reporting requirements</b> | 2-(2-butoxyethoxy)ethanol | 112-34-5   | 4.0 |
|  | N-methyl-2-pyrrolidone    | 872-50-4   | 3.2 |
|  | 2-butoxyethanol           | 111-76-2   | 1.3 |

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****California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

| Ingredient name        | Cancer | Reproductive | No significant risk level | Max acceptable dosage    |
|------------------------|--------|--------------|---------------------------|--------------------------|
| N-methyl-2-pyrrolidone | No.    | Yes.         | No.                       | 3200 µg/day (inhalation) |

**International regulations****Canada inventory**

: All components are listed or exempted.

**Section 16. Other information****Hazardous Material Information System (U.S.A.)**

|                  |   |   |
|------------------|---|---|
| Health           | * | 1 |
| Flammability     |   | 0 |
| 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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## Section 16. Other information

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.

### History

**Date of printing** : 6/24/2015  
**Date of issue/Date of revision** : 6/24/2015  
**Date of previous issue** : No previous validation

### 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

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.