

# Material Safety Data Sheet

## HIGH SOLIDS GYM FINISH

### 1. Product and company identification

<b>Product name</b>	HIGH SOLIDS GYM FINISH	<b>In case of emergency</b>	1-800-843-6174
<b>Code</b>	234SF	<b>Validation date</b>	10/11/2011.
<b>Material uses</b>	Polyurethane wood finish	<b>Print date</b>	10/11/2011.
<b>Manufacturer</b>	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	<b>Responsible name</b>	<b>Regulatory Affairs Department</b>

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

<b>Health</b>	<b>1</b>	<b>HAZARD RATING</b>
<b>Flammability</b>	<b>2</b>	4 = Extreme
<b>Physical hazards</b>	<b>0</b>	3 = High
<b>Personal protection</b>	<b>B</b>	2 = Moderate
		1 = Slight
		0 = Insignificant

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

### 2. Hazards identification

<b>Emergency overview</b>	WARNING! FLAMMABLE LIQUID AND VAPOR. COMBUSTIBLE. HARMFUL IF INHALED OR SWALLOWED. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. Flammable liquid. Harmful by inhalation and if swallowed. Keep away from heat, sparks and flame. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Contains material that may cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
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#### Potential acute health effects due to overexposure

<b>Inhalation</b>	Toxic by inhalation.
<b>Ingestion</b>	Toxic if swallowed.
<b>Skin</b>	May cause skin irritation.
<b>Eyes</b>	May cause eye irritation.

#### Potential chronic health effects due to overexposure

<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.

See toxicological information (section 8)

### 3. Composition/information on ingredients

<b>Name</b>	<b>CAS number</b>	<b>%</b>
Stoddard solvent	8052-41-3	10 - 30
2-butoxyethanol	111-76-2	1 - 5

#### SARA 313 (Form R - Reporting requirements)

<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
2-butoxyethanol	111-76-2	1.123

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

### 4. First aid measures

<b>Eye contact</b>	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
<b>Skin contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
<b>Inhalation</b>	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Protection of first-aiders</b>	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.

## 4. First aid measures

### Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

### Flammability of the product

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

### Extinguishing media

#### Suitable

Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

#### Special exposure hazards

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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

#### Hazardous thermal decomposition products

Decomposition products may include the following materials:

carbon dioxide  
carbon monoxide

#### 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.

#### Flash point

Closed cup: 40°C (104°F)

## 6. Control and preventive measures

### Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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.

Ingredient	Exposure limits
Stoddard solvent	<b>OSHA PEL (United States, 11/2006).</b> TWA: 500 ppm 8 hour(s).
2-butoxyethanol	<b>OSHA PEL (United States, 11/2006). Absorbed through skin.</b> TWA: 50 ppm 8 hour(s).

### Personal protection

#### Respiratory

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.

#### Hands

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.

#### Skin

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.

#### Eyes

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 or dusts.

### Methods for 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. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

#### Waste disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 7. Physical and chemical properties

### Physical state

Liquid

### Boiling/condensation point

175°C (347°F)

### Color

Amber

### Odor

Solvent

### Vapor pressure

0.4 kPa (3 mm Hg)

### VOC

48.0%

### Vapor density

4 to 5 [Air = 1]

### Weight per Gallon:

7.44 lbs./gal.

### 1% pH:

N.E.

### Specific Gravity:

0.89 gm/ml

## 8. Toxicological information

### Acute toxicity

#### Product/ingredient name

Stoddard solvent

#### Result

LD Oral

LC50 Inhalation Gas.

LD50 Oral

LC50 Inhalation Gas.

#### Species

Rat

Rat

Rat

Rat

#### Dose

>5 g/kg

>1400 ppm

250 mg/kg

450 ppm

#### Exposure

-

8 hours

-

4 hours

### Conclusion/Summary


Not available

### Chronic toxicity

#### Conclusion/Summary

Not available

## 9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	UJN1993	Bulk Proper Shipping Name: Flammable liquid, N.O.S. (Aliphatic hydrocarbons)	3	III		-Non-Regulated (<119 gallons)

PG\* : Packing group