

SAFETY DATA SHEET

Section 1 - Product and Company Identification

Product Name: GYM LINE EN #662 BLUE Product Code: HIL0066204

Trade Name: GYM LINE EN #662 BLUE

Company Identification:

Hillyard

P.O. Box 909

St. Joseph, MO 64502

Contact Information:

Information Phone : (816)-233-1321 (Ext. 8285)

Fax : (816)-383-8485

Name of Preparer : Regulatory Affairs

E-mail : regulatoryaffairs@hillyard.com

Only in the event of emergencies involving a spill, leak, fire, exposure, or accident - Contact CHEMTREC
phone: (800)-424-9300

Product Use: For Professional, Commercial, and Industrial Use in Graphic Arts Only.

Not recommended for: N/A

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ≥ 20.5 mm ² /s at 40°C .

GHS Hazards

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H340	May cause genetic defects
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P370+P378	In case of fire: Use appropriate media to extinguish
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container that comply with local, State and Federal regulations.

Signal Word: Danger



Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Solvent naphtha, petroleum, medium aliphatic	64742-88-7	20.00% - 30.00%
Stoddard solvent	8052-41-3	10.00% - 20.00%
Nepheline syenite	37244-96-5	10.00% - 20.00%
Titanium dioxide	13463-67-7	5.00%
Xylenes (o-, m-, p- isomers)	1330-20-7	2.00%
Ethylbenzene	100-41-4	0.30%
Carbon black	1333-86-4	0.20%

Section 4 - First Aid Measures

Inhalation:

Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention immediately.

Eye contact:

Rinse immediately with plenty of clean water for at least 15 minutes. Remove contact lenses and flush under eyelids too. Seek medical attention.

Skin contact:

Wash thoroughly with soap and water while removing contaminated clothing/shoes. Seek medical attention if skin is damaged, or if pain/irritation develops or persists.

Ingestion:

Do not induce vomiting. Keep respiratory tract clear. Never give anything by mouth to an unconscious person.

Contact a physician or poison control center immediately.

Section - 5 Fire Fighting Measures

Flash Point: 39 C (102 F)

LEL: 1.00

UEL: 7.00

Extinguishing Media:

Foam, CO₂, Dry Chemical. Water spray may be ineffective. However, water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion from heating.

Unusual Fire and Explosion Hazards:

Handle as ignitable liquid. Keep containers tightly closed and isolate from heat, electrical equipment, sparks, or flame. Vapors form an explosive mixture in air between the upper and lower explosive limits. Never use welding or cutting torch on or near a drum (even empty) because product (even residue) can ignite explosively. Avoid spontaneous combustion of soiled rags, steel wool, spray booth filters and other waste material contaminated with this product by immediately immersing them in a sealed, water filled metal container prior to disposal.

Hazardous Combustion Products:

Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons, and other products of incomplete combustion.

Firefighting Procedure:

Full protective equipment and self contained breathing apparatus should be used.

Section 6 - Accidental Release Measures

Spill Leak / Procedures:

Eliminate all sources of ignition (flames, electrical, static, or frictional sparks. Avoid breathing vapors. Ensure adequate ventilation. Wear appropriate personal protective equipment.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See section #12 for further Ecological information.

Methods and Materials for Containment and Cleaning Up:

Contain spillage. Then collect with inert absorbent material and non-sparking tools. Dispose of in accordance with applicable regulations.

Section 7 - Handling and Storage

Handling Precautions:

Do not use until all safety precautions have been and understood. Use personal protection found in section 8. Smoking, eating, or drinking should be prohibited in the application area.

Storage Requirements:

Store in accordance with local regulations. Keep away from excessive heat, sparks, and open flames. Previously opened containers, carefully reseal. Keep containers closed and upright when not in use.

Section 8 - Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Solvent naphtha, petroleum, medium aliphatic 64742-88-7	Not Established	Not Established	Not Established
Stoddard solvent 8052-41-3	500 ppm TWA; 2900 mg/m ³ TWA	100 ppm TWA	NIOSH: 350 mg/m ³ TWA 1800 mg/m ³ Ceiling (15 min)
Nepheline syenite 37244-96-5	Not Established	Not Established	Not Established
Titanium dioxide 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established

Xylenes (o-, m-, p- isomers) 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	Not Established
Ethylbenzene 100-41-4	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
Carbon black 1333-86-4	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable fraction)	NIOSH: 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)

Engineering Controls:

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and applicable exposure limits.

Provide readily accessible eye wash station and safety showers.

Use of protective creams, head caps etc, is recommended.

Avoid contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

Electrical equipment must comply with the National Electrical Code for this environment.

Personal Protective Equipment

Respiratory Protection:

Wear an appropriate, properly fitted respirator (NIOSH approved) during the use of this product until vapor and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable exposure limits.

Skin and Body Protection:

Use chemical/solvent impermeable gloves to avoid contact with product. Wear suitable protective clothing.

Eye Protection:

Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

Section 9 - Physical and Chemical Properties

<p>Appearance White, Colors and Clear.</p> <p>Vapor Pressure: 2.8 mmHg</p> <p>Vapor Density Lighter than air.</p> <p>Specific Gravity 1.024889313</p> <p>Freezing point: No Data Found</p> <p>Boiling range: 138°C</p> <p>Evaporation Rate Slower than ether.</p> <p>Physical State Liquid</p> <p>Explosive Limits: 1% - 7%</p> <p>Autoignition temperature: 226°C</p>	<p>Odor Aromatic-Like</p> <p>Odor threshold: No Data Found</p> <p>pH: No Data Found</p> <p>Melting point: No Data Found</p> <p>Solubility: No Data Found</p> <p>Flash point: 102 F, 39 C</p> <p>Flammability: No Data Found</p> <p>G/L VOC Less Water & 443.2</p> <p>Exempt Solvent</p> <p>Partition coefficient (n- octanol/water): No Data Found</p> <p>Decomposition temperature: No Data Found</p>
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Section 10 - Stability and Reactivity

Conditions to Avoid:

Open flames, heat, sparks, and other ignition sources.

STABLE

Materials to Avoid:

Strong acids, alkalis, strong oxidizers.

No Data Found

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons.

No Data Found

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 1,575mg/L

Component Toxicity

64742-88-7	Solvent naphtha, petroleum, medium aliphatic Dermal LD50: 3,000 mg/kg (Rabbit)
100-41-4	Ethylbenzene Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 17 mg/L (Rat)

Skin Contact

Eyes	Kidneys	Central Nervous System	Skin	Bladder	Respiratory System
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Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
100-41-4	Ethylbenzene	0.3	Ethylbenzene: IARC: Possible human carcinogen OSHA: listed
1333-86-4	Carbon black	0.2	Carbon black: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

Section 12 - Ecological Information
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Component Ecotoxicity

Solvent naphtha, petroleum, medium aliphatic	96 Hr LC50 Pimephales promelas: 800 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 450 mg/L
Xylenes (o-, m-, p- isomers)	96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Ethylbenzene

96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]
48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L
72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

Section 13 - Disposal Considerations

Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Obey relevant laws.

Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	No Data Found			

Section 15 - Regulatory Information

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

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

1333-86-4 Carbon black Carcinogen
100-41-4 Ethylbenzene Carcinogen
1330-20-7 Xylenes (o-, m-, p- isomers) Carcinogen, Mutagen, Reproductive Toxin
13463-67-7 Titanium dioxide Carcinogen

The following are the top 5 ingredients in this formulation

1330-20-7 Xylenes (o-, m-, p- isomers)
13463-67-7 Titanium dioxide
37244-96-5 Nepheline syenite
8052-41-3 Stoddard solvent
64742-88-7 Solvent naphtha, petroleum, medium aliphatic

SARA 313 Reportable Components:

100-41-4 Ethylbenzene 0 %
1330-20-7 Xylenes (o-, m-, p- isomers) 2 %

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
- None		

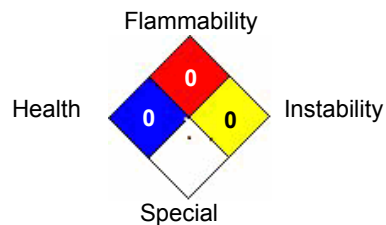
Section 16 - Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="3"/>
PHYSICAL HAZARD	<input type="text" value="0"/>
PERSONAL PROTECTION	<input type="text"/>

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH



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Reviewer Revision

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