



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Form: Liquid
Substance Name: Sharkthane Hard Flex Pro 60-25 Black Side B
Product Code(s): 3004026025133
Synonyms

1.2 Details of the Supplier of the Safety Data Sheet

Distributor:

Fiberlay Inc.
1468 Northgate Blvd
Sarasota, FL 34234
T 206-782-0660
F 888-782-0662
www.Fiberlay.com

1.3 Emergency Telephone Number

Emergency Number: CHEMTREC: Domestic - 800-424-9300
International- 703-527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Skin Sensitization:	Category 1, H317
Acute Toxicity-Inhalation:	Category 4, H332
Acute Toxicity-Dermal:	Category 4, H312
Acute Toxicity-Oral:	Category 4, H302
Eye Irritation:	Category 2, H319
Respiratory Sensitization:	Category 1, H334
Acute Aquatic Toxicity:	Category 1, H400
Chronic Aquatic Toxicity:	Category 1, H410
Skin Irritation:	Category 2, H315
Toxic to Reproduction:	Category 1B, H360
Carcinogenicity:	Category 2, H351

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:



SIGNAL WORDS: Danger

HAZARD STATEMENTS: H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

PREVENTION: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing fumes, mist, vapors and spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product. P271 Only use outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the work place. P273 Avoid release into the environment.
P280 Wear protective gloves, clothing, and eye/face protection.
P284 In case of inadequate ventilation wear respiratory protection.

RESPONSE: P301+P330+P310 IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor.
P302+P352 IF ON SKIN: Gently wash with plenty of soap and water.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse. P333+P313 If skin irritation or rash occurs: Get medical attention.
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical attention.
P308+P313 IF exposed or concerned: Get medical attention. P391 Collect spillage.

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

DISPOSAL: P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONTENT
4,4'-Methylenebis(2-ethylaniline)	19900-65-3	40-60%
n-Butyl phthalate	84-74-2	40-60%

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. FIRST AID MEASURES

DESCRIPTION OF NESESARY FIRST-AID MEASURES:

- INHALATION:** If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- SKIN:** Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. Get medical attention.
- EYES:** Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Get medical attention.
- INGESTION:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Dilute with large quantities of water. Get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED:

- SYMPTOMS:** Sensitization. Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated contact. Persons with sensitive airways (e.g., asthmatics) may react to vapors. See section 11 for additional information.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

- TREATMENT:** Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

- SUITABLE:** Use water spray, foam, dry chemical or carbon dioxide.
- UNSUITABLE:** None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

UNUSUAL FIRE & EXPLOSION HAZARDS: Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

HAZARDOUS COMBUSTION PRODUCTS: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See Section 10 Hazardous decomposition products for additional information.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. See section 9 for additional information.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: See Section 8 for recommendations on the use of personal protective equipment. If spilled in an enclosed area, ventilate. Eliminate ignition sources. Personal Protective Equipment must be worn.

ENVIRONMENTAL PRECAUTIONS: Do not flush product into public sewer, water systems or surface waters

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Stop leak if without risk. Move containers from spill area. Contain by diking with sand, earth or other non-combustible material. Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and launder before reuse.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: Keep away from heat, sparks and open flames. Store dry at 15-40°C, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container without commercial cleaning or reconditioning.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS:

CHEMICAL NAME	CAS NUMBER	ACGIH-TWA	ACGIH-STEL
4,4'-Methylenebis(2-ethylaniline)	19900-65-3	Not available	Not available
n-Butyl phthalate	84-74-2	5 mg/m ³	Not available

APPOPRIATE ENGINEERING CONTROLS: Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain air concentrations below occupational exposure standards. When necessary use mechanical handling to reduce human contact with materials.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYE/FACE PROTECTION:	Full face shield with safety glasses or goggles underneath are required.
SKIN PROTECTION:	Wear chemical resistant (impervious) gloves; PVC, neoprene, nitrile rubber, EVAL, butyl rubber. Wear chemical resistant protective clothing. Use good laboratory/workplace procedures including personal protective clothing: lab coat and protective gloves.
RESPIRATORY PROTECTION:	Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS.
GENERAL PROTECTION:	Eyewash fountains and safety showers are recommended in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid	UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not available
COLOR:	Black	VAPOUR PRESSURE:	Not available
ODOUR:	Slight	VAPOUR DENSITY:	Not available
ODOUR THRESHOLD:	Not available	RELATIVE DENSITY:	1.05
PH:	Not available	SOLUBILITY(IES):	Soluble
MELTING POINT/ FREEZING POINT	Not available	PARTITION COEFFICIENT (n-octanol/water):	Not available

INITIAL BOILING POINT AND BOILING RANGE: Not available

FLASH POINT: >100°C

EVAPORATION RATE: Not available

FLAMMABILITY (SOLID, GAS): Not available

AUTO-IGNITION TEMPERATURE: Not available

DECOMPOSITION TEMPERATURE: Not available

VISCOSITY: 130 cP at 25°C

10. STABILITY AND REACTIVITY

REACTIVITY: Exothermic reactions including polymerization may occur in contact with amines, strong acids, strong bases, alcohols, strong oxidizing agents and excessive heat.

CHEMICAL STABILITY: This product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Exothermic reactions including polymerization may occur in contact with isocyanates, strong acids, strong bases, alcohols, strong oxidizing agents and excessive heat.

CONDITIONS TO AVOID: Moisture, excessive heat and ignition sources.

INCOMPATIBLE MATERIALS: Avoid isocyanates, strong acids, bases, alcohols and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes, oxides of nitrogen and other products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: Eyes, skin, inhalation and ingestion.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: EYES:

Causes serious eye irritation.

SKIN: Harmful in contact with skin. Causes skin irritation, May cause an allergic skin reaction. Repeated or prolonged contact may cause skin irritation and dermatitis.

INHALATION: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

INGESTION: Harmful if ingested.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE: Suspected of causing cancer. May damage fertility or the unborn child.

ACUTE TOXICITY:

CHEMICAL NAME	LC ₅₀ INHALATION (RAT)	LD ₅₀ ORAL (RAT)	LD ₅₀ DERMAL (RAT)
Aromatic Diamine	1.5 mg/L	500 mg/kg	1,100 mg/kg (rabbit)
n-Butyl phthalate	4,250 mg/m ³	8,000 mg/kg	>20,860 mg/kg (rabbit)

CORROSION / IRRITATION / SENSITIZATION INFORMATION:

SKIN CORROSION/IRRITATION: Skin irritation– Category 2

SERIOUS EYE DAMAGE/IRRITATION: Eye irritation – Category 2

RESPIRATORY OR SKIN SENSITIZATION: Skin sensitization – Category 1

CARCINOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICOLOGY INFORMATION:

GERM CELL MUTAGENICITY: Information not available

CARCINOGENICITY: Category 2

REPRODUCTIVE TOXICITY: Toxic to reproduction – Category 1B

SPECIFIC TARGET ORGAN TOXICITY (STOT):

STOT-SINGLE EXPOSURE: Information is not available.

STOT-REPEATED EXPOSURE: Information is not available.

ASPIRATION HAZARD: Information is not available.

OTHER INFORMATION: Additional information is not available.

12. ECOLOGICAL INFORMATION

TOXICITY:

CHEMICAL NAME	TEST	SPECIES	RESULT
4,4'-Methylenebis(2-ethylaniline)	Not available	Not available	Not available
n-Butyl phthalate	LC50 (96 hrs)	Fathead Minnow	0.85 mg/L
	LC50 (48 hrs)	Daphnia Magna	3.7 mg/L

PERSISTENCE AND DEGRADABILITY:

CHEMICAL NAME	TEST	PERIOD	RESULT
4,4'-Methylenebis(2-ethylaniline)	Not available		
n-Butyl phthalate	Not available		

BIOACCUMULATIVE POTENTIAL:

CHEMICAL NAME	TEST	DURATION	RESULT
4,4'-Methylenebis(2-ethylaniline)	Not available		
n-Butyl phthalate	Bioconcentration factor (BCF) – Fathead Minnow	11 days	2,165

MOBILITY IN SOIL:

CHEMICAL NAME	SOIL/WATER PARTITION COEFFICIENT (K _{oc})
4,4'-Methylenebis(2-ethylaniline)	Not available
n-Butyl phthalate	Not available

OTHER ADVERSE EFFECTS: Additional information is not available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of unused contents (incineration) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate. See section 8 for recommendations on the use of personal protective equipment.

14. TRANSPORT INFORMATION

UN NUMBER: UN3082

UN PROPER SHIPPING NAME:

Environmentally Hazardous Substance, Liquid, N.O.S., (4,4'-Methylenebis(2-ethylaniline)/Dibutyl Phthalate)

TRANSPORT HAZARD CLASS:

U.S. DOT HAZARD CLASS:	9
CANADA TDG HAZARD CLASS:	9
EUROPE ADR/RID HAZARD CLASS:	9
IMDG CODE (OCEAN) HAZARD CLASS:	9
ICAO/IATA (AIR) HAZARD CLASS:	9

PACKING GROUP: III

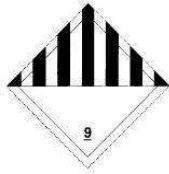
ENVIRONMENTAL HAZARDS:

MARINE POLLUTANT:	Yes
HAZARDOUS SUBSTANCE (USA):	Yes

SPECIAL PRECAUTIONS FOR USER: Information is not available.

TRANSPORTING IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:
Information is not available.

LABEL FOR CONVEYANCE:



15. REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION:

U.S. Superfund Amendments and Reauthorization Act (SARA) – SARA Section 313	n-Butyl phthalate (CAS 84-74-2)
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV – List of substances subject to authorization, Substances of very high concern	n-Butyl phthalate (CAS 84-74-2)
Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	n-Butyl phthalate (CAS 84-74-2)

OTHER REGULATIONS: Additional information is not available.

CHEMICAL INVENTORIES:

Canadian Domestic Substances List (DSL):	Y
Canadian Non-Domestic Substances List (NDSL):	N
European Inventory of Existing Chemical Substances (EINECS):	Y
European List of Notified Chemical Substances (ENCS):	N
U.S. Toxic Substances Control Act (TSCA):	Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed.

16. OTHER INFORMATION

LEGEND: ACGIH: American Conference of Governmental Industrial Hygienists ADR/RID: European dangerous goods transport road and rail regulations CAS No: Chemical Abstract Service Registry Number
DOT: Department of Transportation (U.S.)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals IATA: International Air Transport Association
ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods code OEL: Occupational Exposure Limits
OSHA: Occupational Safety and Health Administration (U.S.) PEL: Permissible Exposure Limit
RQ: Reportable Quantity
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit (15 minute Time Weighted Average) TDG: Canadian Transportation of Dangerous Goods Act and Regulations UN: United Nations
U.S.: United States

Sharkthane believes the law requires us to inform you that detectable amounts of any of the listed chemicals might be present in Sharkthane products. Based on a review of the list, Sharkthane products, like all synthetic and naturally occurring chemical substances, may conceivably contain trace contaminants of some of the listed substances. While not necessarily added to our products as ingredients, some of the listed chemicals may be present in the raw materials as received from suppliers over which we have no control.

“Warning: This product may contain trace amounts of some chemicals considered by the State of California to be carcinogens or reproductive Toxicants.”

Preparation Date: 10-27-15

Prepared by: Ken Aber

Comments: This Safety Data Sheet was prepared using information provided by Sharkthane

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and Sharkthane assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.

