



# SAFETY DATA SHEET

TO COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR.1910.1200 & THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifier

Product Form: SHARKTHANE FLEX PRO 30-20 B SIDE

Substance Name:

Product Code(s): 300401302008, 300401302010, 300401302013, 300401302015

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](http://www.Fiberlay.com)

### 1.3 Emergency Telephone Number

Emergency Number: CHEMTREC: Domestic - 800-424-9300

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 2  
Skin Irritation, Category 2  
Eye Irritation, Category 2  
Respiratory Sensitization, Category 1  
Skin Sensitization, Category 1  
Target Organ Toxicity (Single exposure), Category 3  
Carcinogenicity, Category 2

### GHS LABEL



Health Hazard    Skull and crossbones

### HAZARD STATEMENTS

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation. H330: Fatal if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure causes the hazard).

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P260: Do not breathe mist, vapors or spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

P284: In case of inadequate ventilation wear respiratory protection.

##### Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water. P333+P313: If skin irritation or rash occurs: Get medical attention.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

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.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical	CAS No.	Wt. %
TDI Prepolymer	45-65	9057-91-4
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	30-40	6846-50-0
Light paraffinic petroleum oil solvent extract	5-10	64742-05-8
Toluene diisocyanate mixed isomers	≤ 5	26471-62-5

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Remove contact lenses, if present. Seek medical attention if irritation persists.

**SKIN:** Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Seek medical attention if rash or irritation occurs.

**INGESTION:** Give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. Obtain immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Move person to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. Obtain medical attention. Symptoms can be delayed for several hours.

#### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon oxides, nitrogen oxides, isocyanates and trace amounts of hydrogen cyanide.

**EXPLOSION HAZARDS:** Water contamination produces carbon dioxide gas. This may cause pressurization or

explosion of containers.

**FIRE FIGHTING EQUIPMENT:** Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container. Allow to stand uncovered 48 hours before closing container.

**LARGE SPILL:** Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. Create a dike or trench to contain product. Prevent entry into waterways, sewers, basements or confined areas. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container. Allow to stand uncovered 48 hours before closing container.

**GENERAL PROCEDURES:** Clean spill area with a decontamination solution. Suggested formulation: Sodium carbonate (5 - 10%), liquid detergent (1 - 2%), water (88 - 94%). Alternate formulation: Concentrated ammonia (3 - 8%), liquid detergent (1 - 2%), water (90 - 96%). Ensure adequate ventilation to prevent overexposure of ammonia.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear protective equipment listed in Section 8.

## 7. HANDLING AND STORAGE

**HANDLING:** Do not get in eyes, on skin or on clothing. Wash hands before eating, drinking or smoking. Do not breathe vapors or mists. Use only with adequate ventilation. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

**STORAGE:** Store in tightly closed containers in a cool, dry and well-ventilated area away from heat or sources of ignition. Keep out of direct sunlight.

**STORAGE TEMPERATURE:** 4.4°C (40°F) Minimum to 37.8°C (100°F) Maximum

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Light paraffinic petroleum oil solvent extract	TWA		0.2		0.2
	STEL				
Toluene diisocyanate mixed isomers	TWA	0.005		0.005	
	STEL	0.02		0.02	

**ENGINEERING CONTROLS:** Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminants.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear a face shield and chemical safety glasses or goggles.

**SKIN:** Wear impervious gloves. Cover exposed skin.

**RESPIRATORY:** For airborne exposure above the permissible exposure limit(s), wear a NIOSH approved air-

purifying respirator equipped with organic vapor cartridges. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator.

**WORK HYGIENIC PRACTICES:** Avoid eating, drinking or smoking while using this material. Wash hands thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** solvent.

**APPEARANCE:** Dark liquid.

**FLASH POINT AND METHOD:** > 93.3°C (200°F) Closed cup.

**AUTOIGNITION TEMPERATURE:** Not established.

**VAPOR PRESSURE:** < 0.014 hPa at 20°C (68°F)

**VAPOR DENSITY:** Heavier than air.

**BOILING POINT:** Not established.

**FREEZING POINT:** Not established.

**SOLUBILITY IN WATER:** Insoluble, reacts with water.

**SPECIFIC GRAVITY:** 1.02 (water = 1) at 23.3°C (74°F)

**VISCOSITY #1:** 500 Centipoise at 23.3°C (74°F)

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Can be caused by elevated temperatures.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Moisture and high temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxides, nitrogen oxides, isocyanates and trace amounts of hydrogen cyanide.

**INCOMPATIBLE MATERIALS:** Water, amines, oxidizers, alcohols and strong bases.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	> 3200 mg/kg	> 18900 mg/kg	> 5.3 mg/L/6h
Toluene diisocyanate mixed isomers	5110 mg/kg	> 9400 mg/kg	0.48 mg/L/1h

### CARCINOGENICITY

**IARC:** Toluene diisocyanate: 2B - Possibly carcinogenic to humans.

**NTP:** Toluene diisocyanate is reasonably anticipated to be a human carcinogen

**OSHA:** Not regulated as a carcinogen.

**SENSITIZATION:** This material is a skin and respiratory sensitizer.

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Toluene diisocyanate: LC<sub>50</sub> (Oncorhynchus) 133 mg/L/96h; EC<sub>50</sub> (Daphnia magna) 12.5 mg/L/48h

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, provincial or national regulations.

EMPTY CONTAINER: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA WASTE INFORMATION: If discarded in its purchased form, this material is not a RCRA hazardous waste.

GENERAL COMMENTS: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

## 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated when shipped below RQ.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated when shipped below RQ.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated when shipped below RQ.

## 15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute, Chronic, Reactive.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Cas No.	Wt. %
Toluene diisocyanate mixed isomers	26471-62-5	≤ 5

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	CERCLA Rq.	Wt. %
Toluene diisocyanate mixed isomers	100 lbs.	≤ 5

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are in TSCA inventory.

RCRA STATUS: If discarded in its purchased form, this material is not a RCRA hazardous waste.

NATIONAL RESPONSE CENTER: Any spill or release to the environment above the RQ must be reported to the National Response Center (800-424-8802).

**California Prop65:**

Prop65 WARNING: This product can expose you to chemicals including Toluene diisocyanate which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**16. OTHER INFORMATION****COMMENTS:****Sharkthane Flex Pro 30-20 Side A**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC <sub>50</sub>	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC <sub>50</sub>	Lethal concentration to 50% of exposed laboratory animals
LD50	Lethal dose to 50% of exposed laboratory animals
TWA	Time-weighted average
TLV	Threshold limit value
NIOSH	US National Institute of Occupational Safety and Health
NE	Not established
NTP	US National Toxicology Program
OEL	Occupational exposure limit
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
STEL	Short term exposure limit

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.

**Preparation Date:** 1-3-2019

**Prepared by:** Kevin Aber

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

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