



KEVLAR FABRIC

1 PRODUCT & COMPANY IDENTIFICATION

Supplier Details: Thermal Tech & Temp Inc.
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2 HAZARDS IDENTIFICATION

Classification of Substance: Eye Irrit. 2; H319
May cause eye irritation.

Label Elements: Using the toxicity data listed in section 11 and 12 the product is labeled as follows.



H319 - May cause eye irritation.

[Prevention]

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves / eye protection / face protection.

[Response]

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P337+313 - If eye irritation persists: Get medical advice/attention.

[Storage]:

No GHS storage statements.

[Disposal]:

No GHS disposal statements.

3 COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Cas Number	Weight %	GHS Classification	Notes
Para-Aramid Polymer	0026125-61-1	50 - 75	Not Classified	[1]
Fibrous Glass	0065997-17-3	50 - 75	Eye Irrit. 2; H319	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

4

FIRST AID MEASURES

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. Drink water to clear throat and blow nose to expose fibers
Eyes:	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion:	Not applicable.
Most Important Symptoms and Effects, both Acute and Delayed:	Overview: Signs and Symptoms of Exposure: Skin, eyes, and respiratory tract irritation. Generally aggravated by exposure: any condition generally aggravated by mechanical irritants in air or on skin. See section 2 for further details. Eyes: May cause eye irritation.

5

FIRE FIGHTING MEASURES

Extinguishing Media:	Water, carbon dioxide, or dry chemical.
Special Hazards Arising from the Substance or Mixture:	Hazardous decomposition: Carbon dioxide and carbon monoxide.
Advice for Fire-Fighters:	Unusual Fire Explosion Hazards: None. Thermal decomposition of fiber coating may produce an irritating mixture of smoke and fumes. Fire fighters should wear full protective gear including NIOSH-approved self-contained breathing apparatus.
ERG Guide No.	----

6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:	Put on appropriate personal protective equipment (see section 8).
Environmental Precautions:	Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
Methods and Material for Containment and Cleaning Up:	Steps to be taken in case material is released or spilled: Prevent the spread of fiberglass dust and avoid dust generation conditions. Those involved in the cleanup of particulates should use appropriate personal protective equipment. Vacuum clean dusts. If sweeping is necessary, use a dust suppressant. Waste Disposal Method: In most cases, woven fiberglass scrap can be disposed of in a sanitary landfill in accordance with federal, state, and local regulations. Check with authorities on any question concerning disposal. Store and use in manner that will prevent airborne particulates in the workplace.

7

HANDLING AND STORAGE

Precautions for Safe Handling:	See section 2 for further details. - [Prevention].
Conditions for Safe Storage, Including any Incompatibilities:	Handle containers carefully to prevent damage and spillage. Incompatible materials: Avoid contact with strong oxidizing agents. See section 2 for further details. - [Storage].
Specific End Use(s):	No data available.

Control Parameters:

		Exposure:	
Cas No.	Ingredient:	Source:	Value:
0026125-61-1	Para-Aramid Polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0065997-17-3	Fibrous Glass	OSHA	15 mg/m ³ (as nuisance dust)5 mg/m ³ (respirable fraction)
		ACGIH	10 mg/m ³ (as nuisance dust)5 mg/m ³ (respirable fraction)
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data:

Cas No.	Ingredient:	Source:	Value:
0026125-61-1	Para-Aramid Polymer	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
0065997-17-3	Fibrous Glass	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No

Exposure Controls:

Respiratory: Where dust levels exceed the TLV, use NIOSH-approved respirator to protect against nuisance dusts.

Eyes: Chemical Goggles, or Safety glasses with side shields

Skin: Work aprons or smocks are recommended. Wear loose-fitting long-sleeved clothing. NIOSH approved air supplies or self-contained respirator. Protective gloves and barrier cream are necessary.

Engineering Controls:

Local Exhaust: Recommended for processing machinery where dust generation is apparent.

Mechanical (General): Yes, where local exhaust ventilation is not feasible.

Other Work Practices:

Wash thoroughly after work. For non-routine & emergency situations, we recommend laundering work clothes separately and wiping out the washer at the end of every cycle. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention].

Appearance:	Light Tan or White Fabric	Upper/Lower Flammability or Explosive Limits:	Lower Explosive Limit: Not Measured
Odor:	Not Measured	Vapor Pressure (Pa):	Upper Explosive Limit: Not Measured
Odor Threshold:	Not Determined	Vapor Density:	Not Measured
pH:	Not Measured	Specific Gravity:	(H ₂ O=1): 2.5
Melting Point / Freezing Point:	> 1000F	Solubility in Water:	Not Measured
Initial Boiling Point and Boiling Range:	Not Measured	Partition Coefficient n-octanol/ water (Log Kow):	Not Measured
Flash Point:	(Method Used): 250% C by TOC	Auto-Ignition Temperature:	Not Measured
Evaporation Rate (Ether = 1)	Not Measured	Decomposition Temperature:	Not Measured
Flammability (Solid, Gas)	Not Measured	Viscosity (cSt):	Not Measured

10

STABILITY AND REACTIVITY

Reactivity:	Hazardous Polymerization will not occur.
Chemical Stability:	Stable under normal circumstances.
Possibility of Hazardous Reactions:	No data available.
Conditions to Avoid:	No data available.
Incompatible Materials:	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide.

11

TOXICOLOGICAL INFORMATION

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Para-aramid polymer - (26125-61-1)	N/A	N/A	N/A	N/A	N/A
Fibrous Glass - (65997-17-3)	N/A	N/A	N/A	N/A	N/A

Note: When no route-specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Hazard Description
Acute Toxicity (Oral)	N/A
Acute Toxicity (Dermal)	N/A
Acute Toxicity (Inhalation)	N/A
Skin Corrosion/Irritation	N/A
Serious Eye Damage/Irritation	Causes serious eye irritation.
Respiratory Sensitization	N/A
Skin Sensitization	N/A
Germ Cell Mutagenicity	N/A
Carcinogenicity	N/A
Reproductive Toxicity	N/A
STOT-Single Exposure	N/A
STOT-Repeated Exposure	N/A
Aspiration Hazard	N/A

12

ECOLOGICAL INFORMATION

Ingredient	Aquatic Ecotoxicity		
	96 hr LC50 Fish, mg/l	48 hr EC50 Crustacea, mg/l	ErC50 Algae, mg/l
Para-aramid polymer - (26125-61-1)	N/A	N/A	N/A
Fibrous Glass - (65997-17-3)	N/A	N/A	N/A

Toxicity:	No additional information provided for this product. See Section 3 for chemical-specific data.
Persistence and Degradability:	There is no data available on the preparation itself.
Bioaccumulative Potential:	Not measured.
Mobility in Soil:	No data available.
Results of PBT and vPvB Assessment:	The product contains no PBT/vPvB chemicals.
Other Adverse Effects:	No data available.

13

DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Observe all federal, state and local regulations when disposing of this substance.

14

TRANSPORT INFORMATION

UN Number:	DOT (Domestic Surface Transportation): Not Applicable (N/A)	IMO/IMDG (Ocean Transportation): Not Regulated (N/R)	ICAO/IATA: N/R
UN Proper Shipping Name:	N/R	N/R	N/R
Transport Hazard Class(es):	DOT Hazard Class: N/A	IMDG: N/A Sub Class: N/A	Air Class: N/A N/A
Packing Group:	N/A	N/A	N/A
Environmental Hazards:	IMDG – Marine Pollutant: No		
Special Precautions for User:	No Further Information.		

15

REGULATORY INFORMATION

Regulatory Overview:	The regulatory data in Section 15 isn't intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA):	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification:	D2B
US EPA Tier II Hazards:	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic):
EPCRA 311/312 Chemicals and RQs:	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 302 Extremely Hazardous:	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 313 Toxic Chemicals:	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Carcinogens (>0.0%):	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Developmental Toxins (>0.0%):	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Female Repro Toxins (>0.0%):	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Male Repro Toxins (>0.0%):	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
New Jersey RTK Substances (>1 %):	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Pennsylvania RTK Substances (>1%):	No To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16

OTHER INFORMATION

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