Tulmar Safety Systems Inc
Safety Data Sheet

SECTION 1. IDENTIFICATION

Product Identifier	Model: KOVA EV Fire Blanket – P/N 87683-001
Other Means of Identification	Fire Suppression Blanket, Fiber Glass and Silica Textile
Recommended Use	Emergency Response by First Responders
Restrictions on Use	The KOVA EV Fire Blanket is intended for single use and is not be re-used once applied on a fire.
Initial Supplier Identifier	Tulmar Safety Systems Inc

SECTION 2. HAZARD IDENTIFICATION

Classification

No Hazard Rating is available for this Product.

OSHA/HCS Status

GSA Signal Word: WARNING

GHS Hazard Statements:

- H315 - Causes skin irritation
- H335 - May cause respiratory irritation
- H320 - Causes eye irritation
- H317 - May cause an allergic skin reaction

Unusual Hazards

This material may enter the body through inhalation of nuisance dust.

Other Hazards

Potential irritation when in direct contact with eyes or skin.

Dangerous if ingested.

Label Elements

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Other identifiers
Amorphous Silica	7631-86-9	96%	
Proprietary Surface Finish Triethylene Amine	121-44-8	<0.2%	
Fibrous Glass	65997-17-3		

SECTION 4. FIRST-AID MEASURES

Description of necessary first aid measures

Inhalation (powder)	Remove the person from the source, provide fresh air and seek medical attention.
Eye contact	Flush eyes immediately with large amounts of water for at least 15 minutes holding eyelids open while flushing. Seek medical attention promptly. Do not rub eyes.
Skin Contact	Wash contaminated skin thoroughly with cool water. Seek medical attention if irritation persists or a rash becomes visible.
Ingestion	DO NOT induce vomiting, seek medical attention immediately.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media	Dry chemical, foam, carbon dioxide (C02), water fog.
Unsuitable Extinguishing Media	N/A
Specific Hazards Arising from theProduct	No danger of auto-ignition of the product. In application, toxic gases might be generated by combustion. Do to the nature of the application on EV fires, the air around the product will be unsafe for breathing.
Hazardous thermal decomposition products	Decomposition products may include the following materials: Carbon monoxide, carbon dioxide, hydrogen, other undetermined compounds could be released in small quantities. If decomposition after application on an EV fire, hydrogen fluoride and methane may also be released.
Special Protective Equipment and Precautions for Fire-Fighters	Wear full firefighting protective equipment including self-contained breathing apparatus. Wear positive pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes helmet, coat, pants, boots, and gloves).

SECTION 6. ACCIDENTAL RELEASE MEASURES

For non-emergency personnel	No action shall be taken involving any personal risk or without suitable training.
Personal Precautions, Protective Equipment, and Emergency Procedures	Wear appropriate personal protection equipment.
Methods for Containment and Cleaning Up	Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant. Place in closed container.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid contact with skin and eyes. Ensure good ventilation/exhaustion at the workplace. Wear suitable protective equipment, see Section 8

Conditions for Safe Storage Storage should be at ambient temperature. Keep container or packaging closed until ready for use or disposal.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA (inhalable fraction)	TWA (respirable fraction)	TWA (total dust)	TWA (respirable fraction)
Glass Fiber	5 mg/m3	1 fiber/cm^3	15 mg/m3	5 mg/m3

Notes

Appropriate Engineering Controls Ensure adequate ventilation, especially in confined areas if used outside of firefighting application.

Individual Protection Measures

Eye/Face Protection Standard safety glasses with side shields.

Skin Protection Wear protective gloves..

Respiratory Protection Use a face mask when handling. If used on EV fire, ensure use of a breathing apparatus as detailed in section 5.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Solid, particles, fibrous material, woven
Colour	Off-white or tan colored
Molecular Weight	N/A
Molecular formula	N/A
Odour	Odorless
Specific Gravity	Silica: 2.2 / Fiber Glass: >2.5
pH	N/A
Melting Point andFreezing Point	Silica: Melting: 1649°C (3000°F) |
Initial Boiling Point and Boiling Range	Silica: Boiling: 2230°C (4046°F)
Flash Point	Fiber Glass: 250°C (482°F) by TOC
Evaporation Rate	N/A
Flammability (solid,gas)	N/A
Upper and Lower Flammability or Explosive Limit	N/A
Specific Volume	N/A

Relative Density(water = 1)	N/A
Solubility in Water	Insoluble
Solubility in OtherLiquids	N/A
Partition Coefficient,n-Octanol / Water (Log Kow)	N/A
Auto-ignition Temperature	N/A
Decomposition Temperature	N/A
Viscosity	N/A

SECTION 10. STABILITY AND REACTIVITY

Reactivity	N/A
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	N/A
Conditions to Avoid	N/A
Incompatible Materials	Avoid strong oxidizing agents, basic phosphates, hydrofluoric acid and hydroxides.
Hazardous Decomposition Products	CO, CO_2

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

_x_Inhalation ___Skin contact __Eye contact___Ingestion

Acute Toxicity	
LC50	**Not classified**
LD50 (oral)	**Not classified**
LD50 (dermal)	**Not classified**

Notes	
Skin Corrosion / Irritation	Dusts from this product may cause temporary mechanical irritation to the skin.
Serious Eye Damage / Irritation	Dusts from this product may cause temporary mechanical irritation to the eyes.
STOT (Specific Target Organ Toxicity) - Single Exposure	N/A
Aspiration Hazard	N/A
STOT (Specific Target Organ Toxicity) - Repeated Exposure	N/A
Respiratory and/or Skin Sensitization	Dusts from this product may cause mechanical irritation of the nose, throat, and respiratory tract. During application on EV fires (or any fire), if subjected to elevated temperatures (> 982°C / 1800°F), the silica in the KOVA EV Fire Blanket could undergo conversion to cristobalite, which may cause respiratory illness. The concentration of cristobalite varies based on temperature and length of exposure.

Carcinogenicity: No carcinogenic components identified

Chemical Name	IARC	ACGIH®	OSHA
N/A	N/A	N/A	N/A

Notes

Reproductive Toxicity

Development of Offspring	No reported effects
Sexual Function And Fertility	No reported effects
Effects on or Via Lactation	No reported effects
Germ Cell Mutagenicity	N/A
Interactive Effects	N/A

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity N/A

Persistence and Degradability N/A

Bioaccumulative Potential N/A

Mobility in Soil N/A

Other Adverse Effects Fiberglass is generally considered to be an inert solid waste. No special precautions are needed in case of a release or spill.

SECTION 13. DISPOSAL CONSIDERATIONS

Discharge of Unused Fire Blanket No special instruction for disposal of unused KOVA EV Fire Blankets.

Disposal of Used Fire Blanket KOVA EV Fire Blankets used in EV fires are saturated with chemicals captured from the fire. The blanket needs to be fully cooled before being retrieved for disposal and should be disposed of as chemical waste. Dispose of waste material in accordance with applicable federal, provincial / state, and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Instruction IATA
N/A	N/A	KOVA EV Fire Blanket	N/A	N/A	N/A

Special Precautions N/A

Environmental Hazards	N/A
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	N/A

Special Notes regarding transportation: None

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canadian WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

Canadian WHMIS CLASS: Not Regulated.

USA: SARA Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372: None

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] – Not classified. This product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

TSCA: The chemical substances in this product are on the TSCA Section 8 Inventory.

EU REACH (240, Updated 01/2024) SVHC: Product is considered compliant with Regulation EC 1907/2006 or Registration,

Evaluation, Authorization and restriction of Chemicals (REACH) legislation, including REACH Annex XIV ("Authorization List") and REACH Annex XVII ("Restricted Substances").

SECTION 16. OTHER INFORMATION

ABBREVIATIONS:

1) ACGIH – American Conference of Governmental Industrial Hygienists
2) OSHA – Occupational Safety and Health Administration
3) NIOSH – National Institute of Occupational Safety and Health
4) IARC – International Agency for Research on Cancer
5) NTP – National Toxicology Program
6) TLV – Threshold Limit Value
7) PEL – Permissible Exposure Limit
8) TWA – Time Weighted Average
9) STEL – Short Term Exposure Limit
10) IDHL – Immediately Dangerous to Life or Health
11) N.A. – Not Applicable
12) N.D. – Not Determined
13) N.E. – Not Established
14) DSL – Domestic Substances List

Date of Latest Revision	October 27, 2025