

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier:

Product Name: INUTEQ-PVA® Cooling Fabric

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

Use for: Cooling material for sports and work related apparel applications. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

### 1.3. Details of the supplier of the safety data sheet:

Manufacturer/Supplier: INUTEQ International BV

Address:

Osnabrückstraat 30, 7418 BN Deventer

TEL: +31(0)850653797

Email: support@inuteq.com

### 1.4 Emergency telephone number:

Emergency telephone number: +31(0)850653797

## 2. Hazards Identification

### 2.1. Classification of the substance or mixture:

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP):

No relevant classification for this product.

**2.1.2 Additional information:** For full text of Hazard- and EU Hazard-statements: see SECTION 16.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP]:

**Hazard Picograms:** Not applicable.

**Signal Word:** Not applicable.

#### Hazard Statements

No relevant classification for this product.

#### Precautionary Statements:

No special requirements.

#### Response Precautionary Statements:

No special requirements.

#### Storage precautionary statements:

No special requirements.

#### Disposal precautionary statements:

No special requirements.

### 2.3 Other hazards:

Not found.

## 3. Composition/information on ingredients

**Product description:** substance (✓); preparation/mixtur ( )

Name	Cas No.	EC No.	Index No.	% by weight
PVA (polyvinyl alcohol)	9002-89-5	Not applicable	Not applicable	100

## Classification according to Regulation (EC) No 1278/2008 (CLP):

		Classification according to Regulation (EC) No 1278/2008 (CLP)	
Name	Cas No.	Hazard Class and Category Code (s)	Hazard Hazard statement Code (s)
PVA (polyvinyl alcohol)	9002-89-5	Not applicable	Not applicable

## 4. First aid Measures

### 4.1. Description of first aid measures:

**Following eye contact:** No special measures as there is no hazard for normal contact. Remove contact lenses if present and easy to do do, continue rinsing. If eye irritation persists: Get medical advice/attention.

**Following skin contact:** No special measures as there is no hazard for normal contact.

**Following inhalation:** No special measures as there is no hazard for normal contact.

**Following ingestion:** No special measures as there is no hazard for normal contact.

**Self-protection of the first aider:** No special requirement.

### 4.2. Most important symptoms/effects, acute and delayed:

Acute effect: Not found. Delayed effect: Not found.

### 4.3. Indication of any immediate medical attention and special treatment needed:

Treat according to symptoms.

## 5. Firefighting measures

### 5.1. Extinguishing Media:

#### Suitable extinguishing media:

Use dry chemicals, carbon dioxide, alcohol resistant foam, water spray, dry sand.

#### Unsuitable Extinguishing Media:

High volume water jet. Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

### 5.2. Special hazards arising from the substance or mixture:

No information available.

**Hazardous combustion products:** It may release smoke, carbon monoxide, carbon dioxide and other hazardous gas from thermal decomposition.

### 5.3. Advice for firefighters:

For initial fire, use dry chemicals, carbon dioxide, alcohol resistant foam, water spray, dry sand etc.

For large fire, it is effective to use fire foam, etc. to shut off air supply.

Firefighters must wear self-contained breathing apparatus and full protective equipment (e.g. fire-retardant clothing).

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8.

### 6.2. Environmental Precautions:

Keep cleaning runoffs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

### 6.3. Methods and materials for containment and cleaning up:

Due to the nature of this product, there are no special measure for collection.

Collect it into a proper container for disposal.

Avoid generating dust during collection and clean up.

### 6.4. Reference to other sections:

For more information, please refer to Section 8 and Section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling:

Do not breathe dust or fume that may be evolved during processing. Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:** Store it in a well-ventilated, cool and dry store room. The storeroom should be equipped with proper facilities for accidental fire.

**Incompatible materials:** No information available.

**Packaging materials:** Carton.

**Requirements for storage rooms and vessels:** Well-ventilated and dry.

### Storage class

Further information on storage conditions: No special requirement for this product.

### 7.3. Specific end use(s):

PVA material for sports and work activities.

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## 8. Exposure controls/personal protection

### 8.1. Control parameters:

Ingredients	COSHH Workplace exposure limits TWA	OSHA PEL TWA	ACGIH TLV TWA
PVA (polyvinyl alcohol)(CAS: 9002-89-5)	No data available	No data available	No data available

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls:

If user operations generate mist/vapour, use ventilation to keep exposure to airborne contaminants in a proper range. Install eye washer and safety shower near handling and storage area. Indicate the location of this facility with clear and prominent.

#### 8.2.2 Personal protection equipment:



#### Protection of Hands

Recommend wearing protective gloves for industrial hygienic purpose.



#### Protection of Eyes

Wear safety glasses when working in a dusty environment.



#### Respiratory Protection:

Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.



#### Protection of Body

Recommend wearing general working clothing.

#### General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.

#### 8.2.3 Environmental exposure controls:

Maintain levels below Community environmental protection thresholds.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

General Information	
Appearance	Solid when dry
Odour	Odorless
Odour threshold	No data available
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	Non-flammable
Flammable/Explosive Limits Lower Vol %	Not applicable
Flammable/Explosive Limits Upper Vol %	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	No data available

Solubility	Insoluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable
Explosive properties	No data available
Oxidizing properties	No data available

### 9.2. Other information: Not available.

## 10. Stability and reactivity

### 10.1. Reactivity: No information available.

**10.2. Chemical stability:** This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**10.3. Possibility of hazardous reactions:** No information available.

**10.4. Conditions to avoid:** Longtime direct sunlight and high temperature.

**10.5. Incompatible materials:** No information available.

**10.6. Hazardous decomposition products:** It may release smoke, carbon monoxide, carbon dioxide and other hazardous gas from thermal decomposition.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity:

Ingredients	CAS No.	LD <sub>50</sub> /LC <sub>50</sub> (Median lethal dose)
PVA (polyvinyl alcohol)	9002-89-5	Acute toxicity (Oral ) LD <sub>50</sub> < 20,000mg/kg (rat) Data source: ChemIDplus
Classification of the whole product:		Not classified

**Skin corrosion/irritation:** No classification for this product.

**Serious eye damage/eye irritation:** No classification for this product.

**Respiratory/Skin sensitizer:** No classification for this product.

**Germ cell mutagenicity:** No classification for this product.

**Carcinogenicity:** No classification for this product.

**Reproductive Toxicity:** No classification for this product.

**Summary of evaluation of the CMR properties:** No information available.

**STOT- single exposure:** No classification for this product.

**STOT- repeated exposure:** No classification for this product.

**Aspiration hazard:** No classification for this product.

## 12. Ecological information

**12.1. Toxicity:** No data available for the whole product.

### 12.2. Persistence and Degradability:

Abiotic Degradation: No information available.

Physical- and photo-chemical elimination: No information available.

Biodegradation: No information available.

### 12.3. Bioaccumulative Potential:

Partition coefficient n-octanol /water (log Kow): No information available.

Bioconcentration factor (BCF): No information available.

**12.4. Mobility in Soil:** As it is solid, it can not move in soil.

**12.5. Results of PBT and vPvB Assessment:** No information available.

**12.6. Other adverse effects:** Not found.

**12.7. Additional information:** No information available.

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## 13. Disposal Considerations

### 13.1 Waste treatment methods

#### 13.1.1 Product / Packaging disposal:

Minimize the hazard of waste by the methods of neutralization and stabilization.

After contents are completely removed, dispose of its container at waste collection point.

Waste codes / waste designations according to LoW:

EWC code: 20 03 99

In other countries different conditions might be valid. All national and local laws have to be considered.

#### 13.1.2 Waste treatment-relevant information:

Paste a label on the container indicating the possible hazards of the waste.

#### 13.1.3 Sewage disposal-relevant information:

Do not discharge waste into sewage without any treatment.

#### 13.1.4 Other disposal recommendations:

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.

## 14. Transport Information

### ADR and RID / Air-Transportation-IATA/ICAO/Sea-Transportation-IMO/IMDG.:

**14.1. UN number:** Not applicable.

**14.2. UN proper shipping name:** Not regulated.

**14.3. Transport hazard class (es):** Not applicable.

**14.4. Packing group:** Not applicable.

**14.5. Assigned Pictogram:** Not applicable.

**14.6. Environmental hazards (Marine Pollutant (Yes/No)):** No.

**14.7. EMS NO.:** Not applicable

**14.8. Special precautions for user:** Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for firefighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

**14.9. Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable.

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

- **Candidate List of Substances of very high concern (SVHC) according to ECHA:** Not listed.
- **REACH Regulation Annex XVII Regulation List:** Not listed.
- **REACH Regulation Annex XIV Authorization List:** Not listed.
- **Germany - WGK:** Not classified.

**15.2. Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.

### 15.3. Other relevant regulations:

**Sara:** Not listed.

**Section 355 (extremely hazardous substances):** Not listed.

**SARA 313:** Not listed.

#### Toxic Substances Control Act (TSCA):

Ingredient (s)	CAS number	TSCA Inventory
PVA (polyvinyl alcohol)	9002-89-5	Listed

#### Clean Water Act:

Chemical Name	CWA Reportable Quantities	CWA Toxic Pollutants	CWA Priority Pollutants	CWA Hazardous Substances
Not applicable	Not applicable	Not listed	Not listed	Not listed

**Carcinogenicity categories:** Not listed by EPA, NTP, ACGIH and IARC.

## 16. Other information

**DISCLAIMER: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is there sponsibility of the user.**

### References

EC No.1907/2006 (REACH)

EC No. 1272/2008 (CLP)

Commission Regulation (EU) 2015/830

#### For full text of Hazard and EU Hazard-statements:

Not applicable

Not applicable

#### Classification according to Regulation (EC) Nr. 1272/2008

#### Classification procedure

Not applicable

Not applicable

### Full description of some acronyms:

CAS-Chemical Abstracts Service

EINECS- European Inventory of Existing Commercial Chemical Substances

IMO- International Maritime Organization

IMDG - International Maritime Dangerous Goods

IATA- International Air Transport Association

ICAO- International Civil Aviation Organization

TSCA - Toxic Substance Control Act

OSHA - Occupational Safety and Health Administration

ACGIH- American Conference of Governmental Industrial Hygienists

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