

Material Safety Data Sheet

Textile Marshal 8000 MSDS

Section 1: Chemical Product and Company Identification

Product Name: Textile Marshal 8000

Contact Information:

www.Fireprotection.co.za

6 Kobie Krige steet

Krugersdorp

+ 27 828504834 (Theo)

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

· Product identifier

· Name: Textile Marshal 8000

· Relevant identified uses of the substance or mixture and uses advised against

· Application of the substance / the mixture

Flame retarding agent for industrial and/or commercial use.

· Details of the supplier of the safety data sheet

· Address and telephone number of the supplier:

Fire Protection Chemicals PTY LTD

6 Kobie Krige Street

Krugerdorp

1739

Gauteng

South Africa

Phone: +27 (082 850 4834)

· Competent person responsible for the Material Safety Data Sheet:

Product safety: Theo Basson

· Emergency telephone number: 082 850 4834

Office Hours Emergency Tel No.: 082 850 4834

2 Hazards identification

· Classification of the substance or mixture

· GHS label elements: None

· Hazard pictograms: None

· Signal word: None

· Hazard statements: None

· Other hazards Other hazards have not been identified for this product.

3 Composition/information on ingredients

- Chemical characterization: mixtures
- Description: Nitrogen containing phosphonic acid salt.

4 First aid measures

- Description of first aid measures
- After inhalation Supply fresh air; consult doctor in case of symptoms.
After skin contact Wash immediately with plenty of water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for several minutes under running water.
- After swallowing ,rinse mouth and drink plenty of water.

Seek medical treatment.

- Most important symptoms and effects, both acute and delayed

Symptoms and effects are described in Section 11

- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents

Product is non combustible. Use fire fighting measures that suit the environment.

- Unsuitable extinguishing agents for reasons of safety: None
- Special hazards arising from the substance or mixture

In case of fire, toxic incineration products may be released such as:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Phosphoric oxides (P_xO_y)

- Advice for firefighters
- Protective equipment: Wear self-contained breathing apparatus.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see item 8).

· Environmental precautions:

Do not allow product to enter waters without treatment in a (biological) water treatment plant.

· Methods and material for containment and cleaning up:

Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.

Suitable binder: multi-purpose absorbent.

Smaller amounts of contaminated binding material can be disposed as non-hazardous industrial waste.

7 Handling and storage

· Handling

· Precautions for safe handling

Ensure good exhaust ventilation at the workplace.

Risks to the safety and health of workers may not only be created by work involving chemicals but, inter alia by work equipment and the fitting-out of work-places. Those risks shall be identified and evaluated.

· Information about homogenization:

This product may tend to sedimentation/separation. Homogenize prior to use.

· Information about protection against explosion and fire: No special measures required.

· Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and containers: No special requirements.

· Information about storage in a common storage facility: None

· Further information about storage conditions: None

· Maximum storage temperature: 40 °C.

· Minimum storage temperature: 5 °C

· Sensitivity against frost: Protect from frost.

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Control parameters
- Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: Information valid at the time of review of safety data sheet.

- Exposure controls
- Personal protective equipment
- General protective and hygienic measures:

Use skin cream for skin protection.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

Wash hands during work breaks and at the end of the shift.

- Respiratory protection: Not required

- Protection of hands:

Chemical protective gloves according to DIN EN 374 with CE-labelling.

After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves: Nitrile rubber, NBR
- Gloves made of the following materials are not suitable: Leather gloves
- Eye protection: Safety glasses with side protection. (EN 166).
- Body protection: Protective clothing.

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:

Form : Liquid

Colour: Clear Colourless to yellowish

Odour: Odourless

- Odour threshold: Not relevant for safety

- pH-value at 20 °C: 3,5-4,0

- Change in condition

Melting point/Melting range: Not determined

Boiling point/Boiling range: ca. 100 °C (H 2 O)

- Flash point:
Not applicable.

- Self-inflammability:Product is not self-igniting.

- Danger of explosion:Product is not explosive.

- Vapour pressure at 20 °C: 23 hPa (H 2 O)

- Density at 20 °C 1,095-1,200 g/cm³

- Solubility in / Miscibility with

Water:Fully miscible

Solids content:23-26 % (at 145 °C)

- Other information

:No further relevant information available.

10 Stability and reactivity

- Reactivity Up to now, no dangers resulting from a reactivity of the mixture have been identified.

- Chemical stability

- Conditions to be avoided:

- Minimum shelf life: 12 months from production date.

- Possibility of hazardous reactions No dangerous reactions known.

- Conditions to avoid No further relevant information available.

- Incompatible materials: No further relevant information available.

- Hazardous decomposition products:

None, if storage and handling is done according to specification.

11 Toxicological information

- Information on toxicological effects

- Acute toxicity:

- LD/LC50 values that are relevant for classification:

Oral

: LD50 > 5000 mg/kg (rat)

Dermal ATE mix > 5000 mg/kg (calculated)

· Primary irritant effect:

· on the skin: No irritant effect

Dermal OECD 404 (skin) non irritating (rabbit) (OECD 404)

· on the eye : No irritant effect

Irritation of eyes OECD 405 (eye) non irritating (rabbit) (OECD 405)

· Sensitisation: Non sensitising.

Dermal OECD 406 non sensitising (Guinea pig) (OECD 406)

· Specific target organ toxicity (STOT):

Based on the available data the classification criteria for hazard classes STOT SE and STOT RE are not fulfilled.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Based on the available data the classification criteria for hazard classes "CMR" are not fulfilled.

12 Ecological information

· Toxicity

· Aquatic toxicity:

EC50 / 48 h 1400 mg/l (Daphnia) (OECD 201)

EC50 / 72 h 170 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

LC50 / 96 h > 1000 mg/l (fathead minnow) (OECD 203)

· Evaluation:

Based on the available data the classification criteria for hazard classes aquatic acute (short term)

toxicity are not fulfilled.

· Evaluation:

If contaminated effluent water is properly entered into the sewage system, any interference with the degrading activity of the activated sludge organisms is not expected.

· Persistence and degradability

· Degree of elimination:

- Biodegradability:
- Evaluation: The component(s) is (are) rapidly biodegradable.
- Evaluation: This mixture contains ingredients that are eliminable only moderately in waste water plants.
- Behaviour in environmental systems:
- Bioaccumulative potential
- BCF / LogKow:

84402-58-4 methylphosphonic acid, compound with amidourea (1:1)

OECD 107 Log Kow (shake flask method) - 2,7 (n-Octanol/water)

- Evaluation: Not worth-mentioning accumulating in organisms
- Mobility in soil No further relevant information available.
- Results of PBT and vPvB assessment
- Other adverse effects Any other adverse effects on the environment are not expected.

· 12.7 Additional information

- Chemical Oxygen Demand (COD-value): 20 mg O₂/g product
- Nitrogen content (N_{tot.}) ca. 6,5 %, established as N
- Phosphorous content (P_{tot.}):

ca. 3,5 %, established as P

The phosphorous contained in the mixture is not bioavailable.

- Heavy metals and their compounds according Directive 2006/11/EC: None

13 Disposal considerations

- Waste treatment methods
- Recommendation Must be specially treated under adherence to official regulations.
- European waste catalogue

04 00 00 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES

04 02 00 wastes from the textile industry

04 02 15 wastes from finishing other than those mentioned in 04 02 14

- Contaminated packaging:

- Recommendation: Packaging can be reused or recycled after cleaning.
- Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport information

- UN-Number:None
- ADR, IMDG, IATA :None
- UN proper shipping name
- ADR, IMDG, IATA :None
- Transport hazard class(es)
- ADR, IMDG, IATA
- Class None
- Packing group
- ADR, IMDG, IATA :None
- Environmental hazards:
- Marine pollutant: No
- Special precautions for user Not applicable.
- Transport in bulk according to Annex II of
Not applicable.

MARPOL73/78 and the IBC Code

- Transport/Additional information:
- UN "Model Regulation":
Not hazardous for transport according to a.m.
regulations.

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or
mixture
- GHS label elements None
- Hazard pictograms None

- Signal word None
- Hazard statements None
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

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