SAFETY DATA SHEET

1. Identification

Product identifier: ACEMATT® HK 520

Other means of identification

Recommended use: Matting agents

Recommended restrictions: Not determined.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Australia Pty Ltd
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Emergency telephone number:

24-Hour Health Emergency : +61 2 9037 2994

+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Classification according to GHS

Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements Not applicable

Other hazards: No data available.

3. Composition/information on ingredients

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)		112926-00-8	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

Inhalation: In case product dust is released: Possible discomfort: cough, sneezing Move to fresh air.

Skin Contact: Wash off with plenty of water and soap.

Eye contact: Possible discomfort is due to foreign substance effect. Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.

Ingestion: Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.

Personal Protection for First-aid Responders: No data available.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, foam, CO2, dry powder. Adapt fire-extinguishing measures to surroundings
Unsuitable extinguishing media:	Do not use full-force water jet in order to avoid dispersal and spread of the fire.
Special hazards arising from the substance or mixture:	None known.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment.
Accidental release measures:	No data available.
Methods and material for containment and cleaning up:	Sweep up or vacuum up spillage and collect in suitable container for disposal.
Environmental Precautions:	Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

7. Handling and storage

Handling

Technical measures:	Ensure suitable suction/aeration at the work place and with operationalmachinery.Local ventilation if necessary.
Local/Total ventilation:	No data available.
Safe handling advice:	If necessary: Local ventilation.Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Take precautionary measures against static discharges.Keep in a dry place.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Observe national threshold limit values.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls	Ensure suitable suction/aeration at the work place and with operationalmachinery.Local ventilation if necessary.

Individual protection measures, such as personal protective equipment

General information:	No data available.
Eye/face protection:	Safety glasses with side shields If dust occurs: basket-shaped glasses
Hand Protection:	Additional Information: Wear protective gloves made of the following materials: material, rubber, leather. Additional Information: The data about break through time/strength of material is not valid for undissolved solids/dust.
Other:	No special protective equipment required. Preventive skin protection
Respiratory Protection:	No special protective equipment required. If dust occurs: Dust mask with P2 particle filter
Hygiene measures:	When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Powder
Color:	White
Odor:	Odorless

Odor Threshold:	No data available.
Melting Point:	Approximate 1,700 °C/3,092 °F
Boiling Point:	No data available.
Flammability:	No data available.
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	No data available.
Auto-ignition temperature:	No data available.
Decomposition Temperature:	> 2,000 °C/3,632 °F
pH:	Approximate 6 Method: DIN / ISO 787 / 9 50 g/l 20 °C/68 °F Suspension
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	hardly soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	Approximate 2 g/cm3 20 °C/68 °F Method: DIN / ISO 787 / 10
Bulk density:	No data available.
Vapor density (air=1):	No data available.

Other information

Explosive properties:	Not to be expected in view of the structure
Oxidizing properties:	Not to be expected in view of the structure
Peroxides:	Not applicable
Dust explosion properties:	Not dust explosive

10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No hazardous reactions are known if properly handled and stored.
Conditions to avoid:	No specific hazards are known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	None known. Stable under normal conditions. Product will not undergo hazardous polymerization.

11. Toxicological information

General information: Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401, comparable product, Based on available data, the classification criteria are not met.

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401

Dermal

Product: LD 50, Rabbit, > 5,000 mg/kg, comparable product, Based on available data, the classification criteria are not met.

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	LD 50, Rabbit, > 5,000 mg/kg

Inhalation

Product: LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, OECD 436, Dust and mist,

comparable product, Based on available data, the classification criteria are not met.

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436 Vapour, Not toxic after single exposure, Not applicable

Repeated dose toxicity

Product:	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No negative effects. comparable product
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No negative effects.

Skin Corrosion/Irritation

Product:	Not irritating, OECD 404, (Rabbit), comparable product, Based on available data, the classification criteria are not met.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	Not irritating, OECD 404, Rabbit

Serious Eye Damage/Eye Irritation

Product:	Not irritating, analogous OECD method, Rabbit, comparable product Based on available data, the classification criteria are not met.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	Not irritating, analogous OECD method, Rabbit

Respiratory or Skin Sensitization

Product:	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer., comparable product Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., comparable product
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer. Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.

Carcinogenicity

Product:	No evidence that cancer may be caused.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	No evidence that cancer may be caused.

Germ Cell Mutagenicity

no evidence of mutagenic effects

In vitro

Product:	gene mutation test, OECD 471: , negative, comparable product gene mutation test, OECD 490: , negative, comparable product Chromosomal aberration, OECD 473: , negative, comparable product

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	gene mutation test, OECD 471: , negative gene mutation test, OECD 490: , negative Chromosomal aberration, OECD 473: , negative

In vivo

Product:	Chromosomal aberration, OECD 475, Oral, Rat, Male, negative, comparable product

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	Chromosomal aberration, OECD 475, Oral, Rat, Male, negative

Reproductive toxicity

Product:	no evidence of reproductiontoxic properties

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	no evidence of reproductiontoxic properties

Specific Target Organ Toxicity - Single Exposure

Product:	no evidence for hazardous properties

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	no evidence for hazardous properties

Specific Target Organ Toxicity - Repeated Exposure

Product:	no evidence for hazardous properties

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	no evidence for hazardous properties

Aspiration Hazard

Product:	Not classified

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	Not applicable

Information on health hazards

Other hazards

Product:	Based on available data, the classification criteria are not met.;

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:	LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported toxic effects relate to the nominal concentration.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported toxic effects relate to the nominal concentration.

Aquatic Invertebrates

Product:	EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration.

Toxicity to Aquatic Plants

Product:	EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201)
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201)

Toxicity to microorganisms

Product:	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	No data available.

Aquatic Invertebrates

Product:	No data available.

Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	No data available.

Toxicity to microorganisms

Product:	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209

Persistence and Degradability

Biodegradation

Product:	The methods for determining biodegradability are not applicable to inorganic substances.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	The methods for determining biodegradability are not applicable to inorganic substances.

BOD/COD Ratio

Product:	No data available.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	Not to be expected.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	Not to be expected.

Partition Coefficient n-octanol / water (log Kow)

Product:	Not applicable
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	, Not applicable

Mobility in soil:

Product	No remarkable mobility in soil is to be expected.
Components:	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	No remarkable mobility in soil is to be expected.

Other adverse effects:

Other hazards

Product: The data we have at our disposal do not necessitate identification concerning environmental hazard.

13. Disposal considerations

Disposal methods: Review all local, state and federal regulations concerning health and pollution for appropriate disposal procedures.

Contaminated Packaging: Offer rinsed packaging material to local recycling facilities. Other countries: observe the national regulations.

14. Transport information

ADG
Not regulated as a dangerous good

International Regulations

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

15. Regulatory information

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

16.Other information, including date of preparation or last revision

Issue Date: 22.03.2024

Version #: 1.0

Abbreviations and acronyms:

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further Information: No data available.

Revision Information: Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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