

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: ACEMATT® OK 390

Other means of identification

None.

Recommended restrictions

Recommended use: EXP = Developmental Product. Developmental products are labelled with the EXP designation. Commercialization depends on market response. Matting agents

Restrictions on use: Not determined.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
2 Turner Place
Piscataway, NJ 08854
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
Emergency : 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Polyethylene		9002-88-4	1 - <5%
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)		112926-00-8	>=80 - <=100%

^{*} 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 necessary 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:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention. No information available.
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:	In the event of fire, wear self-contained breathing apparatus. As in any fire, wear self-contained positive-pressure breathing apparatus and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms:	None known.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	No hazards which require special first aid measures.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, foam, CO2, dry powder. Adapt fire-extinguishing measures to surroundings
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Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical:

May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

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. As in any fire, wear self-contained positive-pressure breathing apparatus and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

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. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):

Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary. see also section 7.

Safe handling advice:

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. If necessary: Local ventilation.

Contact avoidance measures:

No data available.

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.

Storage

Safe storage conditions:

Keep containers tightly sealed and store in a dry, cool place. Avoid dust formation. Take precautionary measures against static discharges.

Safe packaging materials: No data available.

Storage Temperature: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Polyethylene - Inhalable particles.	TWA	10 mg/m ³	US. ACGIH Threshold Limit Values, as amended (03 2016)
Polyethylene - Respirable particles.	TWA	3 mg/m ³	US. ACGIH Threshold Limit Values, as amended (03 2016)
Polyethylene - Respirable fraction.	PEL	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
Polyethylene - Total dust.	PEL	15 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)
	TWA	15 mg/m ³	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
Polyethylene - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
Polyethylene - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
Polyethylene - Respirable fraction.	TWA	5 mg/m ³	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	PEL	6 mg/m ³	Source: 54 FR 2701
	PEL	20 millions of particles per cubic foot of air	Source: 54 FR 2701

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Appropriate Engineering Controls

Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary. see also section 7.

Individual protection measures, such as personal protective equipment

Eye/face protection:

Safety glasses with side-shields If dust occurs: basket-shaped glasses

Skin Protection

Hand Protection:

Additional Information: Wear protective gloves made of the following materials: material, rubber, plastics. Additional Information: The material thickness and rupture time data do not apply to non-solute solids / dusts.

Skin and Body Protection:

No special protective equipment required. Preventive skin protection

Respiratory Protection: No special protective equipment required. If dust occurs: Dust mask with P2 particle filter

9. Physical and chemical properties

Appearance

Physical state:	solid
Form:	Powder
Color:	White
Odor:	odourless
Odor Threshold:	Not applicable
pH:	Approximate 6 (DIN / ISO 787 / 9) (50 g/l, 20 °C) Suspension
Melting Point:	Not determined.
Boiling Point:	Not determined.
Flash Point:	Not applicable solid
Evaporation Rate:	Not applicable
Flammability (solid, gas):	Not determined.
Explosive limit - upper:	Not determined.
Explosive limit - lower:	Not determined.
Vapor pressure:	Not applicable
Relative vapor density:	Not applicable
Density:	Approximate 2 g/cm ³ (20 °C) (DIN / ISO 787 / 10)
Relative density:	No data available.
Solubility in Water:	hardly soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Self Ignition Temperature:	Approximate 195 °C (VDI Guideline 2263 sheet 1) Remark: volume-dependent parameter, measured temperature refers to the 1 l sample
Decomposition Temperature:	> 230 °C
Kinematic viscosity:	Not applicable solid
Dynamic viscosity:	Not applicable solid

Other information

Explosive properties:	not to be expected, given the composition employed
Oxidizing properties:	not to be expected, given the composition employed
Minimum ignition energy:	Not determined.
Minimum ignition temperature:	490 °C (VDI 2263, B. 1)
Dust explosion properties:	Not dust explosive
Self-heating:	Not to be classified as self-heating substance, division 4.2.

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:	None if processed as per stipulations

Conditions to avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Carbon Monoxide. Carbon Dioxide. organic products of decomposition Stable under normal conditions. Product will not undergo hazardous polymerization.

11. Toxicological information

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.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 50,000 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: no evidence for hazardous properties

Skin Corrosion/Irritation

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

Serious Eye Damage/Eye Irritation

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

Respiratory or Skin Sensitization

Product: Not known.

Carcinogenicity

Product: No evidence that cancer may be caused.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity**In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** no evidence of reproductiontoxic properties**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Components:**Silicon dioxide, no evidence for hazardous properties
chemically prepared
(CAS 112926-00-8 resp.
7631-86-9)**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Components:**Silicon dioxide, no evidence for hazardous properties
chemically prepared
(CAS 112926-00-8 resp.
7631-86-9)**Aspiration Hazard****Product:** Not classified**Other effects:**

An Expert Judgment stated that no classification is necessary based on present knowledge. No toxicological tests are available on the product.

12. Ecological information**Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Components:**Polyethylene LC 50 (Leuciscus idus, 96 h): > 100 mg/l
Silicon dioxide, LC 50 (Danio rerio, 96 h): > 10,000 mg/l The reported toxic effects relate to
chemically prepared the nominal concentration.
(CAS 112926-00-8 resp.
7631-86-9)**Aquatic Invertebrates****Product:** No data available.**Components:**

Product name: ACEMATT® OK 390Silicon dioxide,
chemically prepared
(CAS 112926-00-8 resp.
7631-86-9)

EC 50 (Daphnia magna, 24 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration.

Toxicity to Aquatic Plants**Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** Not readily degradable.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Product:** Not to be expected.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: Not applicable**Mobility in soil:****Product** No remarkable mobility in soil is to be expected.**Other adverse effects:**

An Expert Judgment stated that no classification is necessary based on present knowledge.

13. Disposal considerations**Disposal methods:**

Waste must be disposed of in accordance with federal, state, provincial and local regulations.

Contaminated Packaging:

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

14. Transport information**Domestic regulation****49 CFR**

Product name: **ACEMATT® OK 390**

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**US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Not classified

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)

US. Massachusetts RTK - Substance List

Chemical Identity

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)

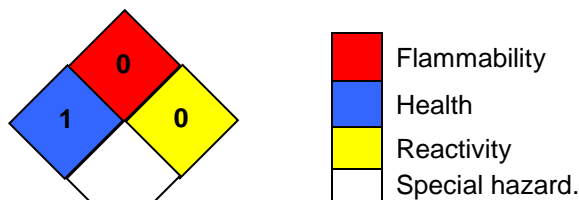
US. Rhode Island RTK

Chemical Identity

Polyethylene

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

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 02/03/2021

Version #: 1.3

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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