

Version: 1.8 Issue Date: 24.02.2020 Last revised date: 05.08.2024 Supersedes Date: 23.06.2023

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

1.1 Product identifier

Product name:

ACEMATT® OK 390

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

Identified uses: Matting agents

Uses advised against: Not determined.

1.3 Details of the supplier of the safety data sheet

Company Name : Evonik Operations GmbH

Rellinghauser Str. 1-11 45128 Essen

Germany

Telephone : +49 6181 59 4787

E-mail : sds-hu@evonik.com

1.4 Emergency telephone number:

24-Hour Health : +49 7623 919191

Emergency

National Poison Information Service (NPIS) England, Scotland and Wales: NHS: 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

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Not classified

2.2 Label Elements Not applicable



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2.3 Other hazards

PBT/vPvB data

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentrati on	CAS-No.	EC No.		REACH Registration No.		Notes
Silicon dioxide, chemically prepared (CAS 112926-00- 8 resp. 7631-86-9)	50 - <100%	112926-00-8	231-545-4	UK-01- 250993046 1-7	01- 211937949 9-16	No data available.	#
Polyethyle ne	5 - <10%	9002-88-4			-	No data available.	#

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

Classification

Chemical name	Classification			
Silicon dioxide, chemically	Classification: None known.	Not		
prepared (CAS 112926-		applicabl		
00-8 resp. 7631-86-9)	Supplemental label information: None known.	e		
Polyethylene	Classification: None known.	Not		
		applicabl		
	Supplemental label information: None known.	e		

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 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.

personal disconnection disconnection and optimization of the second control of the secon

[#] This substance has workplace exposure limit(s).

^{##} This substance is listed as SVHC.



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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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Hazards: None known.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, CO2, dry powder. Adapt fire-

extinguishing measures to surroundings

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and

spread fire.

5.2 Special hazards arising from the

substance or mixture:

May be released in case of fire: carbon monoxide, carbon

dioxide, organic products of decomposition.

5.3 Advice 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

6.1.1 For non-emergency personnel:No data available.

6.1.2 For emergency responders:No data available.

6.2 Environmental Precautions:Do not allow entrance in sewage water, soil stretches of

water, groundwater, drainage systems.

6.3 Methods and material for containment and

cleaning up:

Sweep up or vacuum up spillage and collect in suitable

container for disposal.



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6.4 Reference to other sections: For personal protection see section 8. For disposal

considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Take precautionary measures against static

discharges. Keep containers tightly sealed and store in a dry,

cool place Avoid dust formation.

Safe packaging materials: No data available.

7.3 Specific end use(s): Applications; see Section 1. No further information available

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

occupational Exposure Limits						
Chemical name	Туре	Form of exposure			Source	
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	TWA	Respirabl e dust.		2.4 mg/m3	EH40 WEL (12 2011)	
,	TWA	Inhalable dust.		6 mg/m3	EH40 WEL (12 2011)	
Polyethylene	TWA	Inhalable dust.		10 mg/m3	EH40 WEL (12 2011)	
	TWA	Respirabl e dust.		4 mg/m3	EH40 WEL (12 2011)	

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.

Biological Limit Values

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

8.2 Exposure controls

Appropriate Engineering Controls: Ensure suitable suction/aeration at the work place and with

operationalmachinery.Local ventilation if necessary. see

also section 7.

Individual protection measures, such as personal protective equipment



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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, plastics.

Additional Information: The data about break through time/strength of material is not valid for undissolved

solids/dust.

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

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.

Environmental Controls: see section 6.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

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

Odor Threshold:

Melting Point:

Boiling Point:

No data available.

No data available.

No data available.

No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:

Explosive limit - lower:

No data available.

No data available.

Not applicable solid

Auto-ignition temperature: 490 °C

Method: VDI 2263

Decomposition Temperature: > 230 °C

pH: Approximate

6 at 20 °C

Method: DIN / ISO 787 / 9 Concentration: 50 g/l

Suspension

Viscosity

Dynamic viscosity: Not applicable solid
Kinematic viscosity: Not applicable solid



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Solubility(ies)

Solubility in Water: hardly soluble

Partition coefficient (n-octanol/water): Not applicable

Vapor pressure: Not applicable

Relative density: No data available.

Density: Approximate

2 g/cm3 at 20 °C

Method: DIN / ISO 787 / 10

Vapor density (air=1): Not applicable

9.2 Other information

Explosive properties: not to be expected, given the composition employed **Oxidizing properties:** not to be expected, given the composition employed

Self-ignition: Approximate

195 °C

Method: VDI 2263

Remark: volume-dependent parameter, measured

temperature refers to the 1 I sample

Self-heating: Not to be classified as self-heating substance, division 4.2.

Dust explosion properties:Not dust explosive
Evaporation Rate:
Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity: No dangerous reaction known under conditions of normal

use.

10.2 Chemical Stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: None if processed as per stipulations

10.4 Conditions to avoid: None known.

10.5 Incompatible Materials: None known.

10.6 Hazardous Decomposition Carbon Monoxide. Carbon Dioxide. organic products of

decomposition Stable under normal conditions. Product

will not undergo hazardous polymerization.

SECTION 11: Toxicological information

Products:

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.



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Acute toxicity (list all possible routes of exposure)

Oral

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

Components:

Silicon dioxide, LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401

chemically prepared (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene LD 50, Rat, > 2,000 mg/kg

Not toxic after single exposure, No classification

Dermal

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

Components:

Silicon dioxide, LD 50, Rabbit, > 5,000 mg/kg

chemically prepared (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene Not toxic after single exposure, No data available.

Inhalation

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

Components:

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

chemically prepared Vapour, Not toxic after single exposure, Not applicable (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene Vapour, Not toxic after single exposure, Not applicable

Dust and mist, Not toxic after single exposure, No data available.

Repeated dose toxicity

Product: no evidence for hazardous properties

Components:

Silicon dioxide, NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No

chemically prepared negative effects.

(CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

Skin Corrosion/Irritation

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

Components:

Silicon dioxide, chemically Not irritating, OECD 404, Rabbit

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Serious Eye Damage/Eye Irritation

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

Components:

Silicon dioxide, chemically Not irritating, analogous OECD method, Rabbit

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Respiratory or Skin Sensitization

Product: No data available.

Components:



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Silicon dioxide, chemically Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin

prepared (CAS 112926- sensitizer.

00-8 resp. 7631-86-9) Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.

Polyethylene No data available.

Carcinogenicity

Product: No evidence that cancer may be caused.

Components:

Silicon dioxide, chemically No evidence that cancer may be caused.

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene An Expert Judgment stated that no classification is necessary based on

present knowledge.

Germ Cell Mutagenicity

no evidence of mutagenic effects

In vitro

Product: No data available.

Components:

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

Polyethylene No data available.

In vivo

Product: No data available.

Components:

Silicon dioxide, chemically Chromosomal aberration, OECD 475, Oral, Rat, Male, negative

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Reproductive toxicity

Product: no evidence of reproductiontoxic properties

Components:

Silicon dioxide, chemically no evidence of reproductiontoxic properties

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Silicon dioxide, chemically no evidence for hazardous properties

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Silicon dioxide, chemically no evidence for hazardous properties

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Aspiration Hazard

Product: Not classified

Components:



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Silicon dioxide, chemically Not applicable

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene Not applicable

11.2 Information on other hazards

Other information

Product: An Expert Judgment stated that no classification is necessary based on

present knowledge.; No toxicological tests are available on the product.;

SECTION 12: Ecological information

12.1 Toxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Silicon dioxide. LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported

chemically prepared toxic effects relate to the nominal concentration. (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene LC 50, Leuciscus idus, 96 h, > 100 mg/l

Aquatic Invertebrates

Product: No data available.

Components:

EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported Silicon dioxide,

chemically prepared toxic effects relate to the nominal concentration.

(CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l Silicon dioxide,

(OECD 201) chemically prepared

(CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

Toxicity to microorganisms

Product: No data available.

Components:

EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209 Silicon dioxide,

chemically prepared

(CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

Chronic hazards to the aquatic environment:

Fish



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Product: No data available.

Components:

Silicon dioxide, No data available.

chemically prepared (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Silicon dioxide, No data available.

chemically prepared (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Silicon dioxide, No data available.

chemically prepared (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Silicon dioxide, EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209

chemically prepared (CAS 112926-00-8 resp.

7631-86-9)

Polyethylene No data available.

12.2 Persistence and Degradability

Biodegradation

Product: Not readily degradable.

Components:

Silicon dioxide, chemically The methods for determining biodegradability are not applicable to

prepared (CAS 112926- inorganic substances.

00-8 resp. 7631-86-9)

Polyethylene No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: Not to be expected.

Components:

Silicon dioxide, chemically Not to be expected.

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Not applicable

Components:



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Silicon dioxide, chemically, Not applicable

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

12.4 Mobility in soil:

Product No remarkable mobility in soil is to be expected.

Components:

Silicon dioxide, chemically No remarkable mobility in soil is to be expected.

prepared (CAS 112926-00-8 resp. 7631-86-9)

Polyethylene No data available.

12.5 Results of PBT and vPvB assessment:

Product A PBT/vPvB evaluation is not available, since a chemical safety

evaluation is not required / has not been carried out.

Components:

Silicon dioxide, chemically No data available.

prepared (CAS 112926-00-8

resp. 7631-86-9)

Polyethylene Non-classified vPvB substance,

Non-classified PBT substance

12.6 Other adverse effects:

Other hazards

Product: An Expert Judgment stated that no classification is necessary based on

present knowledge.

Additional Information: No ecotoxicological data is available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: No waste key number as per the European Waste Types

List can be assigned to this product, since such

classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority. 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.

SECTION 14: Transport information

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14.1 UN/ID No.

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU Regulations

- **EU. REACH Annex XIV, Substances Subject to Authorization:** None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- **EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).
- EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable



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15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

SECTION 16: Other information

Abbreviations and acronyms:

EH40 WEL: UK. EH40 Workplace Exposure Limits (WELs), as amended EH40 WEL / TWA: Time Weighted Average (TWA):

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC -Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw -Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number: ECx - Concentration associated with x% response: EIGA -European Industrial Gases Association; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI -Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Notes:

Not	Not applicable
applicable	



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Key literature references and No data available. sources for data:

Wording of the statements in section 2 and 3

: none

Training information: No data available.

Revision Information

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

Disclaimer:

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imply that similar products could not be used.