

Safety Data Sheet

ULTRACARE RAIN PROTECTOR W

Safety Data Sheet dated: 19/09/2023 - version 2



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

1.1. Product identifier

Mixture identification:

Trade name: ULTRACARE RAIN PROTECTOR W

Trade code: 9001521

UFI: D3K6-1064-Q003-1J5K

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

Recommended use: Zaščitna

Uses advised against: Podatki niso na voljo

1.3. Details of the supplier of the safety data sheet

Company: Mapei Slovenia Doo

Kočevarjeva 2, Novo Mesto, Slovenia

Tel: +386-1-7865050/51 - Fax: +386-1-7865055

Responsible: mapei@mapei.si

1.4. Emergency telephone number

CORS – Center za obveščanje Republike Slovenije – Tel. 112

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Corr. 1A Povzročča hude opekline kože in poškodbe oči.

Eye Dam. 1 Povzročča hude poškodbe oči.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Piktogrami in Opozorilna beseda



Nevarno

Opozorila o nevarnosti:

H314 Povzročča hude opekline kože in poškodbe oči.

Previdnostni nasveti:

P280 Nadenite si zaščitne rokavice/obleke ter zaščitite oči/obraz.

P301+P330+P333 PRI ZAUŽITJU: Izprati usta. Ne izzivati bruhanja.
1

P303+P361+P353 PRI STIKU S KOŽO (ali lasmi): Takoj sleči vsa kontaminirana oblačila. Kožo izprati z vodo [ali prho].
3

P304+P340 PRI VDIHAVANJU: Prenesti osebo na svež zrak in jo pustiti v udobnem položaju, ki olajša dihanje.

P305+P351+P338 PRI STIKU Z OČMI: Previdno izpirati z vodo nekaj minut. Odstranite kontaktne leče, če jih imate in če to lahko storite brez težav. Nadaljujte z izpiranjem.
8

P310 Takoj pokličite CENTER ZA ZASTRUPITVE.

P501 Odstranite vsebino/posodo v skladu z veljavnimi predpisi.

Vsebuje:

potassium methylsiliconate

Special provisions according to Annex XVII of REACH and subsequent amendments:

Nobena

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Not Relevant

3.2. Mixtures

Mixture identification: ULTRACARE RAIN PROTECTOR W

Hazardous components within the meaning of the CLP regulation and related classification:

Koncentracija (%) w/w)	Name	Ident. Numb.	Classification	Registration Number
$\geq 5 - < 10\%$	potassium methylsiliconate	CAS:31795-24-1 EC:250-807-9	Skin Corr. 1A, H314	01-2119517439-34-XXXX

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

- Eye irritation
- Eye damages
- Skin Irritation
- Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

- (glej odstavek 4.1)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

- Water.
- Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

- None in particular.

5.2. Special hazards arising from the substance or mixture

- Do not inhale explosion and combustion gases.
- Pri gorenju nastajajo težki dimni plini.

5.3. Advice for firefighters

- Use suitable breathing apparatus.
- Ločeno zberite kontaminirano vodo, uporabljeno za gašenje požara. Ne je izpustiti v kanalizacijo.
- Če je to varno izvedljivo, nepoškodovane vsebnike umaknite iz neposredno ogroženega območja.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.
Remove persons to safety.
Glejte v točki 7 in 8 navedene zaščitne ukrepe.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Preprečite vstop v tla/podtalnico. Preprečite razlitje v površinske vode ali v kanalizacijo.
Zadržite izlito snov z zemljo ali peskom.
V primeru puščanja plina ali razlitja v vodne tokove, tla ali kanalizacijo obvestite pristojne organe.

6.3. Methods and material for containment and cleaning up

Za zbiranje primeren material: vpojni in organski materiali, pesek
Izperite z obilo vode.
Retain contaminated washing water and dispose it.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Preprečite stik s kožo in očmi, vdihavanje hlapov in megle.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:**7.2. Conditions for safe storage, including any incompatibilities**

Hranite stran od hrane, pijač in krme.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Predicted No Effect Concentration (PNEC) values**

potassium methylsiliconate CAS: 31795-24-1	Način izpostavitve: Sladka voda; PNEC Limit: 4.2 mg/l
	Način izpostavitve: Morska voda; PNEC Limit: 0.42 mg/l
	Način izpostavitve: Sladkovodni sedimenti; PNEC Limit: 3.3 mg/kg
	Način izpostavitve: Morski sedimenti; PNEC Limit: 0.33 mg/kg
	Način izpostavitve: Intermittent release; PNEC Limit: 42 mg/l
	Način izpostavitve: Tla (kmetijska); PNEC Limit: 0.54 mg/kg
	Način izpostavitve: Mikroorganizmi v čistilnih napravah; PNEC Limit: 10 mg/l
	Način izpostavitve: Prehranska veriga; PNEC Limit: 3.3 mg/kg

Derived No Effect Level (DNEL) values

potassium methylsiliconate CAS: 31795-24-1	Exposure Route: Dermalno, človek; Exposure Frequency: Kratkotrajna, sistemski učinek Worker Industry: 6.6 mg/kg
	Exposure Route: Dermalno, človek; Exposure Frequency: Dolgotrajna, sistemski učinek Worker Industry: 6.6 mg/kg
	Exposure Route: Z vdihavanjem, človek; Exposure Frequency: Kratkotrajna, sistemski učinek Worker Industry: 47 mg/m ³

Exposure Route: Z vdihavanjem, človek; Exposure Frequency: Dolgotrajna, sistemski učinek
Worker Industry: 47 mg/m³

Exposure Route: Oralno, človek; Exposure Frequency: Dolgotrajna, sistemski učinek
Consumer: 0.42 mg/kg

Exposure Route: Dermalno, človek; Exposure Frequency: Kratkotrajna, sistemski učinek
Consumer: 4 mg/kg

Exposure Route: Dermalno, človek; Exposure Frequency: Dolgotrajna, sistemski učinek
Consumer: 4 mg/kg

Exposure Route: Z vdihavanjem, človek; Exposure Frequency: Kratkotrajna, sistemski učinek
Consumer: 10 mg/m³

Exposure Route: Z vdihavanjem, človek; Exposure Frequency: Dolgotrajna, sistemski učinek
Consumer: 10 mg/m³

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Materiali primerni za zaščitne rokavice; EN ISO 374:

Polikloropren - CR: debeline $\geq 0,5$ mm; čas preboja ≥ 480 min.

Nitril kavčuk - NBR: debeline $\geq 0,35$ mm; čas preboja ≥ 480 min.

Butil kavčuk - IIR: debeline $\geq 0,5$ mm; čas preboja ≥ 480 min.

Fluoriran kavčuk - FKM: debeline $\geq 0,4$ mm; čas preboja ≥ 480 min.

Priporočena uporaba neoprenskih rokavic (0,5 mm). Rokavice, ki naj se ne uporabljajo: na vodo neodporne rokavice.

Respiratory protection:

Osebna zaščitna oprema mora biti v skladu z ustreznimi CE standardi (kot npr. EN ISO 374 za rokavice in EN ISO 166 za očala), pravilno vzdrževana in shranjena. Pred nakupom se posvetujte z dobavitelji zaščitne opreme, preverite ustreznost opreme in upoštevajte podatke o uporabnikih (ergonomičnost opreme).

Zaščita dihal je treba uporabiti, kadar stopnje izpostavljenosti presegajo omejitve izpostavljenosti na delovnem mestu. Za informacije o izbiri in uporabi ustrezne opreme za zaščito dihal se nanašajo na ustrezne standarde EN, kot so EN 136, 140, 143, 149, 14387.

Hygienic and Technical measures

Not available

Ustrezen tehnološki nadzor:

Not available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Fizično stanje: Tekoče

Appearance: tekočina

Color: pregleden

Odour: značilno

Melting point / freezing point: 0 °C (32 °F)

Initial boiling point and boiling range: 100 °C (212 °F)

Flammability: Ni razpoložljivo

Lower and upper explosion limit: Not available

Flash point: 100 °C (212 °F)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: 13.00

Viscosity: 15.00 mPA-s

Kinematic viscosity: kv ≤ 14 mm²/s

Solubility in water: mešljiv

Solubility in oil: nerešljiv

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

Vapour pressure: 2.34

Relative density: 1.20 g/cm³

Vapour density: 0.017

Particle characteristics:

Particle size: Not available

9.2. Other information

Miscibility: Not available
Conductivity: Not available
No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toksikološki podatki zmesi:

a) akutna strupenost	Not classified
	Based on available data, the classification criteria are not met
b) jedkost za kožo/draženje kože	The product is classified: Skin Corr. 1A(H314)
c) resne okvare oči/draženje	The product is classified: Eye Dam. 1(H318)
d) preobčutljivost pri vdihavanju in preobčutljivost kože	Not classified
	Based on available data, the classification criteria are not met
e) mutagenost za zarodne celice	Not classified
	Based on available data, the classification criteria are not met
f) rakotvornost	Not classified
	Based on available data, the classification criteria are not met
g) strupenost za razmnoževanje	Not classified
	Based on available data, the classification criteria are not met
h) STOT – enkratna izpostavljenost	Not classified
	Based on available data, the classification criteria are not met
i) STOT – ponavljajoča se izpostavljenost	Not classified
	Based on available data, the classification criteria are not met
j) nevarnost pri vdihavanju	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

potassium methylsiliconate	a) akutna strupenost	LD50 Oralno Podgana 2000 mg/kg
		LD50 Koža Zajec Pozitivno NOAEL Podgana 50 mg/kg
	e) mutagenost za zarodne celice	NOAEL Podgana > 1000 mg/kg
	g) strupenost za razmnoževanje	NOAEL Podgana > 1000 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

List of Eco-Toxicological properties of the components

Sestavina	Ident. Numb.	Ecotox Data
potassium methylsiliconate	CAS: 31795-24-1 - EINECS: 250-807-9	a) akutna strupenost za vodno okolje : LC50 Riba > 500 mg/l 96h a) akutna strupenost za vodno okolje : EC50 Daphnia > 100 mg/l 48h a) akutna strupenost za vodno okolje : EC50 Algae > 120 mg/l 72h

12.2. Persistence and degradability

Ni razpoložljivo

12.3. Bioaccumulative potential

Ni razpoložljivo

12.4. Mobility in soil

Ni razpoložljivo

12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Kadar koli je mogoče, se je treba izogibati ali zmanjšati nastajanje odpadkov. Po možnosti obnovite.

Kode za odpadke (EWC) v skladu z Evropskim seznamom odpadkov (LoW) zaradi odvisnosti od uporabe ni mogoče določiti. Obrnite se in pošljite pooblaščenim službam za odstranjevanje odpadkov.

Načini odstranjevanja:

Odstranjevanje tega izdelka, raztopin, embalaže in drugih stranskih proizvodov bi moralo biti vedno v skladu z zahtevami zakonodaje o varstvu okolja in odstranjevanjem odpadkov ter vsemi zahtevami regionalnih lokalnih oblasti.

Odvečne izdelke in izdelke, ki jih ni mogoče reciklirati, zavrzite prek pooblaščenega izvajalca za odstranjevanje odpadkov.

Ne odlagajte odpadkov v kanalizacijo.

Nevarni odpadki: Yes

Odstranjevanje:

Ne dovolite vstopa v odtok ali vodotoke.

Izdelek odstranite v skladu z vsemi zveznimi, državnimi in lokalnimi veljavnimi predpisi.

Če se ta izdelek meša z drugimi odpadki, izvirna koda odpadnega proizvoda morda ne bo več veljavna in dodelite ustrezno kodo.

Posode, onesnažene s proizvodom, zavrzite v skladu z lokalnimi ali nacionalnimi zakonskimi predpisi. Za dodatne informacije se obrnite na vaš lokalni organ za ravnanje z odpadki.

Posebni previdnostni ukrepi:

Ta material in njegovo posodo je treba odstraniti na varen način. Bodite previdni pri ravnanju z neobdelanimi praznimi posodami.

Izogibajte se raztrosu razlitnega materiala in odtokom ter stiku z zemljo, vodnimi potmi, otoki in odplakami.

V praznih posodah ali oblogah lahko ostanejo nekateri ostanki izdelka. Praznih posod ne uporabljajte več.

SECTION 14: Transport information

14.1. UN number or ID number

3267

14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium methylsilanetriolate)

IATA-Technical name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium methylsilanetriolate)

IMDG-Technical name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (potassium methylsilanetriolate)

14.3. Transport hazard class(es)

ADR-Class: 8

IATA-Class: 8

IMDG-Class: 8

14.4. Packing group

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: F-A, S-B

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Etiketa: 8

ADR-Zgornja številka: 80

ADR-posebni ukrepi: 274

ADR-Transport category (Tunnel restriction code): 2 (E)

ADR-Prag omejene količine: 1 L

Air (IATA):

IATA-Passenger Aircraft: 851

IATA-Cargo Aircraft: 855

IATA-Label: 8

IATA-Subsidiary hazards: -

IATA-Erg: 8L

IATA-Special Provisions: A3 A803

Sea (IMDG):

IMDG-Stowage Code: Category B SW2

IMDG-Stowage Note: SG35 SGG18

IMDG-Subsidiary hazards: -

IMDG-Special Provisions: 274

IMDG-EMS: F-A, S-B

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Uredba (EU) št. 2015/1221 (7. ATP CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Uredba (EU) 2021/849 (17. ATP CLP)

Uredba (EU) 2022/692 (18. ATP CLP)

Provisions related to directive EU 2012/18 (Seveso III):

None

Omejitve, povezane z izdelkom ali vsebovanimi snovmi, v skladu s Prilogo XVII Uredbe (ES) 1907/2006 (REACH) in poznejše spremembe:

Restrictions related to the product: 3

Restrictions related to the substances contained: Nobena

SVHC Substances:

Snovi SVHC, ki niso prisotne v koncentraciji $\geq 0,1\%$ (w/w)

Nacionalni predpisi

Lagerklasse (TRGS-510): 8A - Combustible corrosive substances

Nemški razred nevarnosti za vodo (WGK)

Razred 1: rahlo ogroža vodo.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code Description

H314 Povzročča hude opekline kože in poškodbe oči.

H318 Povzročča hude poškodbe oči.

Code	Hazard class and hazard category	Description
3.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
3.3/1	Eye Dam. 1	Serious eye damage, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Skin Corr. 1A, H314 On basis of test data (pH)

Eye Dam. 1, H318 On basis of test data (pH)

Po potrebi so posebne določbe v zvezi z možnim usposabljanjem delavcev omenjene v oddelku 2. Vsako usposabljanje, povezano z varnostjo na delovnem mestu, mora v vsakem primeru sklicevati na oceno tveganja, ki jo mora izvajati uradnik za varnost podjetja ob upoštevanju posebnega Operacijski in okoljski pogoji, v katerih se uporabljajo izdelki.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.
DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: KAFH
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

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