



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	29.06.2016
Revision date	25.10.2018

1.1. Product identifier

Product name	Hey'di Rens OF
Article no.	626
GTIN No.	7054150006262

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

Use categories nordic (UCN).	R10990
Use of the substance / mixture	Concentrated cleaner that dissolves and removes oil, grease, soot, tar etc. on ceramic tiles, natural stone, concrete, metals, plastic, bricks etc. Also used to mat down painted surfaces before new surface treatment.
Relevant identified uses	SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys) SU19 Building and construction work SU21 Consumer uses: Private households (= general public = consumers) SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products) PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC19 Hand-mixing in close conditions and only PPE available. ERC2 Formulation of preparations
Uses advised against	Avoid application in direct sunlight. Minimum application temperature is +5 °C.
Standard industrial classification (NACE)	23.650

1.3. Details of the supplier of the safety data sheet

Downstream user

Company name	HeyDi AS
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Office address	Tretjerdalsvegen 68
Postcode	N-2016
City	Frogner
Country	Norway
Telephone number	+47 63868800
Email	heydi@heydi.no
Website	www.heydi.no
Enterprise No.	979657919
Contact person	Alan Ulstad

1.4. Emergency telephone number

Emergency telephone	Telephone number: +47 22 59 13 00 Description: The National Poisons Information Centre
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Dam. 1; H318
Additional information on classification	The product is classified corrosive due to alkalinity and the risk of serious eye damage.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Alcohols, C12-14, ethoxylated sulphates, sodium salt. < 3,5 %, Sodium tripolyphosphate 1 -3,5 %, Disodium metasilicate 0 - 1 %
Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P102 Keep out of reach of children. P280 Wear protective gloves / protective clothing / eye protection / face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice / attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P501 Dispose of contents / container to licensed waste disposal site in accordance with local Waste Disposal Authority.
Tactile warnings	Yes
Child-protection	Yes

Detergents	The product contains 3.3% Sodium Tripolyphosphate, which corresponds to 0.6% phosphor.
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2.3. Other hazards

PBT / vPvB	The mixture is not expected to meet the criteria for PBT and vPvB (based on material information).
Hazard description, general	Risk of serious damage to eyes.
Health effect	Causes serious eye damage. (concentrated product).
Environmental effects	Contains phosphate. See section 3 for further information.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Alcohols, C12-14, ethoxylated sulphates, sodium salt.	CAS No.: 68891-38-3 EC No.: 500-234-8 REACH Reg. No.: 01-2119488639-16	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	< 3,5 %	
Sodium tripolyphosphate	CAS No.: 7758-29-4 EC No.: 231-838-7		1 -3,5 %	
Sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 Index No.: 011-005-00-2 REACH Reg. No.: 02-2119715638-32	Eye Irrit. 2; H319	0 -1 %	
Disodium metasilicate	CAS No.: 6834-92-0 EC No.: 229-912-9 Index No.: 014-010-00-8	Skin Corr. 1B; H314 STOT SE 3; H335 Additional information on classification: Kan være etsende for metaller.	0 - 1 %	
Description of the mixture	Waterbased cleaner. The product should be diluted before use. All the information in this data sheet are for the concentrated product.			
Substance comments	The full text for all hazard statements is displayed in section 16. The product contains 3.3% Sodium Tripolyphosphate, which corresponds to 0.6% phosphor.			

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move into fresh air and keep at rest.
Skin contact	Remove contaminated clothing and launder thoroughly before re-use. Get medical attention if irritation persists after washing.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Acute symptoms and effects	Causes serious eye damage.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical treatment	Symptomatic treatment.
Information on clinical testing	Not known.
Other information	General health check.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	CO2, foam, dry chemical and water fog. Sand, soil etc. can also be used.
Improper extinguishing media	Water jet

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is water based and in wet form the fire hazard is low.
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5.3. Advice for firefighters

Personal protective equipment	Use fresh air equipment when the product is involved in fire.
Fire fighting procedures	Use extinguishing measures appropriate to local circumstances and the surrounding environment. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Firefighters should use adequate protection.
Other information	Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Use personal protective equipment as specified in section 8. Avoid release to the environment.
Personal protection measures	Use the specified protective equipment. See section 8.
Emergency procedures	Stop leak if safe to do so.
For emergency responders	Use the specified safety equipment. See section 8 Absorb spillage to prevent material damage.

6.2. Environmental precautions

Environmental precautionary measures	Do not discharge into drains, water courses or onto the ground. Limit the contaminated area to avoid further spread. Contain spillages with sand, earth or any suitable adsorbent material.
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6.3. Methods and material for containment and cleaning up

Containment	Store in a closed container. Store locked up. Store in a well-ventilated place.
Clean up	Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Other information	For waste disposal, see section 13.

6.4. Reference to other sections

Other instructions	See section 1 for emergency contact information. See section 8 for information on appropriate personal equipment. See section 13 for waste disposal.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Container must be kept tightly closed. Use appropriate protective equipment as described in section 8 when handling open containers. No eating, drinking or smoking during handling. Work practice should minimize contact. Read the technical data sheet before dilution and use.
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Protective safety measures

Safety measures to prevent fire	Store in a well-ventilated place. Keep container tightly closed.
Preventitive measures to protect the environment	Concentrate must not be discharged into drains, soil or waterways.
Advice on general occupational hygiene	Do not eat, drink or smoke in areas where this material is handled. Provide easy access to water supply and eye wash facilities. Good personal hygiene is necessary. Wash hands and contaminated areas before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly sealed original packaging. Keep out of reach of children.
Conditions to avoid	Protect from direct sunlight.

Conditions for safe storage

Packaging compatibilities	Store in tightly sealed original packaging.
Advice on storage compatability	No specific advice on storage is indicated.
Additional information on storage conditions	Protect from sunlight.
Storage temperature	Value: +5 - +40 °C

7.3. Specific end use(s)

Recommendations	Read the description in the technical datasheet about surface treatment before use.
Specific use(s)	Used to mat down painted surfaces before new surface treatment.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Alcohols, C12-14, ethoxylated sulphates, sodium salt.	CAS No.: 68891-38-3		

DNEL / PNEC

Substance	Alcohols, C12-14, ethoxylated sulphates, sodium salt.
DNEL	<p>Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 1650 mg/kg bw/day</p> <p>Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 52 mg/m³</p> <p>Group: Industrial Route of exposure: Long-term inhalation (local) Value: 2750 mg/kg bw/day</p> <p>Group: Industrial Route of exposure: Long-term inhalation (systemic) Value: 175 mg/m³</p> <p>Group: Consumer Route of exposure: Long-term oral (systemic) Value: 15 mg/kg bw/day</p>
PNEC	<p>Route of exposure: Sewage treatment plant STP Value: 10000 mg/l</p> <p>Route of exposure: Air Value: 0,071 mg/l</p> <p>Route of exposure: Soil Value: 0,946 mg/kg</p> <p>Route of exposure: Freshwater sediments Value: 5,45 mg/kg</p> <p>Route of exposure: Freshwater Value: 0,24 mg/l</p> <p>Route of exposure: Saltwater sediments Value: 0,545 mg/kg</p> <p>Route of exposure: Saltwater Value: 0,024 mg/l</p>

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Appropriate engineering controls	Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist.
Instruction on measures to prevent exposure	Ensure that eyewash stations are close to the workstation location. The usual precautions for handling chemicals should be followed.
Organisational measures to prevent exposure	All work must be planned to ensure minimal inhalation of vapors and contact with skin.
Technical measures to prevent exposure	Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Eye / face protection

Eye protection equipment	Description: If risk of splashing, wear safety goggles or face shield. Reference to relevant standard: EN 166
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Hand protection

Suitable gloves type	Gloves of nitrile rubber, PVA or Viton are recommended.
Breakthrough time	Value: > 480 minute(s)
Hand protection equipment	Description: Use protective gloves made of Butyl-, Neoprene or Viton. Reference to relevant standard: EN 374
Hand protection, comments	Prolonged or repeated skin contact may cause drying of the skin and risk of cracking.

Skin protection

Suitable protective clothing	Wear suitable protective clothing.
Recommended protective clothing	Description: In case of direct contact or splash, wear protective clothing. Reference to relevant standard: ISO 13688
Additional skin protection measures	It is recommended that you wash or shower and then apply moisturizer to the exposed skin.
Skin protection remark	Prolonged or repeated skin contact may lead to dry skin with risk of cracking.

Respiratory protection

Respiratory protection necessary at	When spraying: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).
Recommended respiratory protection	Mask type: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2). Reference to relevant standard: EN 136/140/145
Additional respiratory protection measures	Provide sufficient ventilation during operations which cause vapour formation.

Thermal hazards

Thermal hazards	None.
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Hygiene / environmental

Specific hygiene measures	When using do not eat, drink or smoke. Wash promptly if skin becomes contaminated. Change work clothing daily if there is any possibility of contamination. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
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Appropriate environmental exposure control

Environmental exposure controls	The product must not be discharged directly into drains or waterways without treatment.
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Exposure controls

Safety measures for consumer use of the chemical	Use the specified safety equipment. See section 8. Follow the label instructions. If medical advice is needed, have product container or label at hand.
Exposure controls and personal protection, additional information	All protection should be CE marked. Contaminated clothes should be laundered before reuse.
Exposure controls, comments	Do not eat, drink or smoke while handling the product. Wash hands before breaks, lavatory and before leaving the work site.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Light brown.
Odour	Slight odour.
pH	Status: In delivery state Value: ~ 12
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Value: > 100 °C
Flash point	Comments: Not known.
Evaporation rate	Comments: Not known.
Explosion limit	Comments: Not relevant.
Relative density	Value: ~ 1000 kg/m ³
Solubility	Medium: Water Comments: Miscible with water.
Partition coefficient: n-octanol/ water	Comments: Not known.
Auto-ignition temperature	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.

Viscosity	Comments: Not known.
Explosive properties	No explosive properties.
Oxidising properties	No oxidizing properties.

9.2. Other information

Physical hazards

Miscibility	Miscible with water.
Conductivity	Comments: Not known.
Solvent content	Value: 0 %
Particle size	Comments: Not relevant.

Other physical and chemical properties

Comments	Information given concerns the concentrated solution.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No hazardous reactions if regulations/notes for storage and handling are observed.
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10.2. Chemical stability

Stability	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reactions are expected when used correctly.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time. Protect from sunlight.
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10.5. Incompatible materials

Materials to avoid	Avoid contact with oxidising agents, acids and bases.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of: Carbon. Sulphur.
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SECTION 11: Toxicological information

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

Substance	Alcohols, C12-14, ethoxylated sulphates, sodium salt.
Acute toxicity	Type of toxicity: Acute Effect tested: LOEC

	<p>Route of exposure: Oral Value: 4100 mg/kg Animal test species: rat</p> <p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: rat</p> <p>Type of toxicity: Sexual reproduction function Effect tested: NOAEL Route of exposure: Oral Method: OECD 416 Value: > 300 mg/kg Animal test species: rat</p> <p>Type of toxicity: Reproductive / developmental toxicity Effect tested: NOAEL Route of exposure: Oral Method: OECD 414 Value: > 1000 mg/kg Animal test species: rat</p>
Substance	Sodium carbonate
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 4090 mg/kg</p> <p>Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 2 hour(s) Value: 5750 mg/kg Animal test species: Rat</p>
Substance	Disodium metasilicate
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 600 - 1350 mg/kg Animal test species: Rat</p>

Other information regarding health hazards

Assessment of eye damage or irritation, classification	Corrosive. Immediate first aid is necessary.
Eye contact	Risk of serious eye damage
Sensitisation	No basis for classification as a sensitizer.

Symptoms of exposure

In case of ingestion	May cause discomfort if swallowed.
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In case of skin contact	Defats the skin.
In case of inhalation	Vapours and spray mist may irritate throat and respiratory system and cause coughing.
In case of eye contact	Chemical burns.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Alcohols, C12-14, ethoxylated sulphates, sodium salt.
Aquatic toxicity, fish	Value: 7,1 mg/l Test duration: 96 hour(s) Species: Brachydanio rerio. Method: OECD 203
Substance	Sodium tripolyphosphate
Aquatic toxicity, fish	Value: > 1600 mg/l Effect dose concentration: LC0 Test duration: 48 hour(s) Species: Leuciscus idus
Substance	Sodium carbonate
Aquatic toxicity, fish	Value: 300 mg/l Test duration: 96 hour(s) Species: Lepomis macrochirus
Substance	Disodium metasilicate
Aquatic toxicity, fish	Toxicity type: Acute Value: > 2320 mg/l Effect dose concentration: LC50 Test duration: 96 hour(s) Species: Gambusia affinis. Test reference: (pH 8,9-10,1)
Substance	Alcohols, C12-14, ethoxylated sulphates, sodium salt.
Aquatic toxicity, algae	Value: 27,7 mg/l Effect dose concentration: EC50 Species: Freshwater algae. Method: OECD 201
Substance	Alcohols, C12-14, ethoxylated sulphates, sodium salt.
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 7,4 mg/l Effect dose concentration: EC50 Exposure time: 48 hour(s) Species: Daphnia magna Method: OECD 202
	Toxicity type: Acute Value: 0,27 mg/l Effect dose concentration: NOEC Exposure time: 48 hour(s)

Substance	Species: Daphnia magna
Aquatic toxicity, crustacean	Sodium tripolyphosphate Value: ~ 1089 mg/l Effect dose concentration: EC50 Test duration: 50 hour(s) Species: Daphnia magna
Substance	Sodium carbonate
Aquatic toxicity, crustacean	Value: 265 mg/l Test duration: 48 hour(s)
Substance	Disodium metasilicate
Aquatic toxicity, crustacean	Value: > 247 mg/l Effect dose concentration: EC50 Test duration: 100 hour(s) Test reference: (pH 9,1)
Ecotoxicity	Not classified as dangerous to the environment. Concentrated product must not be led into sewers or water courses or be deposited where it can affect ground or surface waters.

12.2. Persistence and degradability

Substance	Sodium carbonate
Biodegradability	Comments: No data recorded.
Persistence and degradability, comments	The product is more than 80% biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation: Is not expected to be bioaccumulable.
Substance	Alcohols, C12-14, ethoxylated sulphates, sodium salt.
Bioconcentration factor (BCF)	Value: < 3

12.4. Mobility in soil

Mobility	Miscible with water.
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12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
Substance	Disodium metasilicate
PBT assessment results	This substance is not classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects, comments	Avoid discharge to sewer, waterway or ground.
Environmental details, summation	The product is not classified as environmentally harmful. Spills and contamination should be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Do not allow runoff to sewer, waterway or ground. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.
EWC waste code	EWC waste code: 070604 other organicsolvents, washing liquids and mother liquors Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No
National regulations	Regulation 01.06 2004 nr. 930, on recycling of waste with subsequent amendments. Guidelines (Norsas) on collection and declaration of hazardous waste (2015).
NORSAS	7133
Other information	Contaminated packaging must be emptied for residues. The packaging can be recycled after cleaning. Uncleaned packaging must be treated in the same way as the product.

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Additional information

Additional information	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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SECTION 15: Regulatory information

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

Other labelling requirements	Contains phosphate.
EEC-directive	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Other label information	Contains phosphate.
Detergents	The product contains 3.3% Sodium Tripolyphosphate, which corresponds to 0.6% phosphor.
Biocides	No
Nanomaterial	No
References (laws/regulations)	EU Regulation No. 1907/2006 (REACH) Title IV, art. 31 and Annex II. EU Regulation on classification labeling and packaging of substances and preparations (abbreviated CLP) (EC) No 1272/2008 Annex XIV - List of substances subject to authorization. Substances that give great cause for concern. Annex XVII - Restrictions on the production, marketing and use of certain hazardous substances. Regulation 704 on occupational limit values with changes. EU Waste regulation (EU) nr. 413/2010 with changes ADR / RID 2017 Regulation No. 384 01 April 2009.
Declaration No.	604071

15.2. Chemical safety assessment

Chemical safety assessment performed	No
Exposure scenarios for mixture	No

SECTION 16: Other information

Supplier's notes	Information provided in the safety data sheet is prepared on the basis of information supplied by subcontractors, and according to information in our possession at the last entered revision date. The information is to be regarded as guidelines for safe use, processing, storage and transportation. It is assumed that the product is used in accordance with the description on the packaging or in the technical data sheet/product data sheet prepared by Hey'di AS. Any other use of the product, if necessary in combination with other products or processes are not recommended, unless otherwise agreed with Hey'di AS.
List of relevant H-phrases (Section 2 and 3)	H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Dam. 1; H318
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