

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.03.2025

Version number 3 (replaces version 2)

Revision: 25.03.2025

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

- **1.1 Product identifier**
- **Trade name: AT TOUCH-FREE SHAMPOO**
- **UFI: NX00-D0V2-G00D-XYHY**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages PW** Widespread use by professional workers
- **Sector of Use SU22** Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category PC35** Washing and cleaning products (including solvent based products)
- **Recommended use** Exterior vehicle cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**
Adriateh d.o.o.
Zagrebačka ul. 2
10431 Sveta Nedelja-Novaki, HRVATSKA
Tel. +013335-120
www.adriateh.hr
info@adriateh.hr
- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
sodium hydroxide
- **Hazard statements**
H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 **If skin irritation occurs:** Get medical advice/attention.

P337+P313 **If eye irritation persists:** Get medical advice/attention.

P501 **Dispose of contents/container in accordance with local/regional/national/international regulation**

- 2.3 Other hazards**- Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- **Description:** Mixture of substances

- Dangerous components:

CAS: 64-02-8 EINECS: 200-573-9 Reg.nr.: 01-2119486762-27	tetrasodium ethylenediaminetetraacetate STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332 ATE: LC50 inhalative: 11 mg/L	5- <10%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27	sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	≥3- <5%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Acute Tox. 4, H302 ATE: LD50 oral: 500 mg/Kg Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	≥1- <2%
CAS: 2809-21-4 EINECS: 220-552-8 Reg.nr.: 01-2119510391-53	1-hydroxy ethylidene-1,1diphosphonic acid Met. Corr.1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302 ATE: LD50 oral: 500 mg/Kg	1- <3%

- Regulation (EC) No 648/2004

EDTA and salts thereof	≥5 - <15%
phosphonates, non-ionic surfactants, anionic surfactants, perfumes (BENZALDEHYDE)	<5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of necessary first aid measures**- General information**

Instantly remove any clothing soiled by the product.

No special measures required.

- After inhalation

In case of unconsciousness bring patient into stable side position for transport.

Supply fresh air; consult doctor in case of symptoms.

- After skin contact

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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- After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor.

Use eye protection.

- After swallowing

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

Do not induce vomiting; instantly call for medical help.

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

EYE CONTACT may cause severe burns, pain, tearing and cramping of the eyes/eyelids. Risk of serious eye injury / eye damage. IF ON SKIN: May cause irritation / burning and burns. INGESTION: Ingestion may cause severe burns with burning, abdominal pain and vomiting.

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

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

SECTION 5: Firefighting measures**- 5.1 Extinguishing media****- Suitable extinguishing agents**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

- 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

- 5.3 Advice for firefighters**- Protective equipment:**

Do not inhale explosion gases or combustion gases.

Protection means for respiratory tract

- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**- 6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Protective gloves. (EN 374)

- For non-emergency personnel

Ensure adequate ventilation

Keep away from ignition sources

Wear protective clothing.

- For emergency responders

PVC gloves

Nitrile rubber, NBR

- 6.2 Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of the material collected according to regulations.

- 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

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See Section 13 for information on disposal.

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

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not eat, drink or smoke while working.

- Information about protection against explosions and fires: Protect from heat.**- 7.2 Conditions for safe storage, including any incompatibilities****- Storage****- Requirements to be met by storerooms and containers: Store only in the original container.****- Information about storage in one common storage facility: Do not store together with acids.****- Further information about storage conditions: Keep container tightly sealed.****- Class according to regulation on inflammable liquids: Void****- 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****- 8.1 Control parameters****- Components with limit values that require monitoring at the workplace:****1310-58-3 potassium hydroxide**WEL (Gran Bretagna) Short-term value: 2 mg/m³**- DNELs****64-02-8 tetrasodium ethylenediaminetetraacetate**

Oral Systemic Long-term Effects 25 mg/Kg bw/day (Consumers)

Inhalative Local long-term effects 1.5 mg/m³ (Industrial Workers)0.6 mg/m³ (Consumers)Local short-term effects 3 mg/m³ (Industrial Workers)1.2 mg/m³ (Consumers)Systemic long-term effects 1.5 mg/m³ (Industrial Workers)0.6 mg/m³ (Consumers)Systemic Short-term Effects 3 mg/m³ (Industrial Workers)1.2 mg/m³ (Consumers)**1310-73-2 sodium hydroxide**Inhalative Local long-term effects 1 mg/m³ (Industrial Workers)1 mg/m³ (Consumers)Local short-term effects 1 mg/m³ (Industrial Workers)1 mg/m³ (Consumers)**1310-58-3 potassium hydroxide**Inhalative Local long-term effects 1 mg/m³ (Industrial Workers)1 mg/m³ (Consumers)Systemic long-term effects 1 mg/m³ (Industrial Workers)1 mg/m³ (Consumers)**2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid**

Oral Systemic Long-term Effects 13 mg/Kg bw/day (Consumers)

Systemic short-term effects 13 mg/m³ (Industrial Workers)

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<i>Dermal</i>	<i>Systemic long-term effects</i>	6.5 mg/m ³ (Consumers) 13 mg/Kg bw/day (Industrial Workers)
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- PNECs**64-02-8 tetrasodium ethylenediaminetetraacetate**

<i>PNEC STP</i>	43 mg/L (STP)
<i>Soil</i>	0.72 mg/Kg (Soil)
<i>Soft Water</i>	2.2 mg/L (Water)
<i>Sea water</i>	0.22 mg/L (Water)
<i>Occasional Emission</i>	1 mg/L (Water)

2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid

<i>PNEC STP</i>	20 mg/L (STP)
<i>Soil</i>	96 mg/Kg (Soil)
<i>Soft Water</i>	0.136 mg/L (Water)
<i>Sea water</i>	0.0136 mg/L (Water)
<i>Sediment (soft water)</i>	59 mg/Kg (Soil)
<i>Sediment (sea water)</i>	5.9 mg/Kg (Soil)

- Additional information: The lists that were valid during the compilation were used as basis.

- 8.2 Exposure controls

- Appropriate engineering controls No further data; see section 7.

- Individual protection measures, such as personal protective equipment

- General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

- Breathing equipment: Not necessary if room is well-ventilated.

- Hand protection



Protective gloves. (EN 374)

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

PVC gloves

Nitrile rubber, NBR

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye/face protection



Tightly sealed safety glasses.

- Body protection: Alkaline resistant protective clothing

- Environmental exposure controls

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

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SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Physical state	Liquid
- Colour:	Green
- Odour:	Pleasant
- Odour threshold:	Not determined.
- Melting point/freezing point:	Not determined
- Boiling point or initial boiling point and boiling range	100 °C
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	Not determined.
- Upper:	Not determined.
- Flash point:	Not applicable
- Decomposition temperature:	Not determined.
- pH at 20 °C	13
- Viscosity:	
- Kinematic viscosity	Not determined.
- dynamic:	Not determined.
- Solubility	
- Water:	Fully miscible
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure at 20 °C:	23 hPa
- Density and/or relative density	
- Density at 20 °C	1.1 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information

- Appearance:	
- Form:	Liquid
- Important information on protection of health and environment, and on safety.	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not explosive.
- Change in condition	
- Evaporation rate	Not determined.

- Information with regard to physical hazard classes

- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void

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- Desensitised explosives

Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under normal conditions
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with acids
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Reacts with strong acids
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:**64-02-8 tetrasodium ethylenediaminetetraacetate**

Oral LD50 >1,780 mg/Kg (Rat)

1310-73-2 sodium hydroxide

Oral LD50 2,000 mg/Kg (Rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation**
No sensitizing effect known.
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information**- 12.1 Toxicity****- Aquatic toxicity:****64-02-8 tetrasodium ethylenediaminetetraacetate**

LC50 (96h) >100 mg/L (Fish)

EC50 (48h) 140 mg/L (Daphnia)

EC50 (72h) >100 mg/L (Algae)

1310-73-2 sodium hydroxide

LC50 (96h) 45 mg/L (Fish)

EC50 (48h) 40.4 mg/L (Daphnia)

LC50 (48h) 189 mg/L (Fish)

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1310-58-3 potassium hydroxide

LC50 (96h) 80 mg/L (Fish)

2809-21-4 1-hydroxy ethylidene-1,1diphosphonic acid

LC50 (96h) 195 mg/L (Fish)

EC50 (48h) 527 mg/L (Daphnia)


EC50 (96h) 7.2 mg/L (Algae)

- **12.2 Persistence and degradability** The contained surfactants are easily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
- Do not allow product to reach ground water, water bodies or sewage system.
- Must not reach sewage water or drainage ditch undiluted or unneutralised.
- Danger to drinking water if even small quantities leak into soil.
- The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
- Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
- Disposal must be made according to official regulations.
- Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** UN1719
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)
- **14.3 Transport hazard class(es)**
- **ADR, IMDG, IATA**
- 
- **Class** 8 Corrosive substances.

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- Label	8
- 14.4 Packing group - ADR, IMDG, IATA	II
- 14.5 Environmental hazards:	Not applicable.
- 14.6 Special precautions for user - Kemler Number: - EMS Number: - Segregation groups - Stowage Category - Segregation Code	Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis A SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
- Transport/Additional information: - ADR - Limited quantities (LQ) - Excepted quantities (EQ) - Transport category - Tunnel restriction code - IMDG - Limited quantities (LQ) - Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml 2 E 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

SECTION 15: Regulatory information

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

1. Regulation (EC) 1907/2006 (REACH)
2. Regulation (EC) 1272/2008 (CLP)
3. Regulation (EU) 2020/878 (REACH Annex II)
4. Regulation (EC) 790/2009 (I ATP CLP)
5. Regulation (EU) 286/2011 (ATP CLP II)
6. Regulation (EU) 618/2012 (III ATP CLP)
7. Regulation (EU) 487/2013 (IV ATP CLP)
8. Regulation (EU) 944/2013 (V ATP CLP)
9. Regulation (EU) 605/2014 (VI ATP CLP)
10. Regulation (EU) 2015/1221 (VII ATP CLP)
11. Regulation (EU) 2016/918 (VIII ATP CLP)
12. Regulation (EU) 2016/1179 (IX ATP CLP)
13. Regulation (EU) 2017/776 (X ATP CLP)
14. Regulation (EU) 2018/669 (XI ATP CLP)
15. Regulation (EU) 2019/521 (XII ATP CLP)
16. Regulation (EU) 2018/1480 (XIII ATP CLP)
17. Regulation (EU) 2020/217 (XIV ATP CLP)
18. Regulation (EU) 2020/1182 (XV ATP CLP)
19. Regulation (EU) 2021/643 (XVI ATP CLP)
20. Regulation (EU) 2021/849 (XVII ATP CLP)
21. Regulation (EU) 2022/692 (XVIII ATP CLP)
22. Regulation (EU) 2023/1434 (XIX ATP CLP)
23. Regulation (EU) 2023/1435 (XX ATP CLP)
24. Regulation (EU) 2024/197 (XXI ATP CLP)

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- Directive 2012/18/EU**- Named dangerous substances - ANNEX I** None of the ingredients is listed.**- REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- REGULATION (EU) 2019/1148**- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations**- Classification according to VbF:** Void**- Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information****- Relevant phrases**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

- Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation

Serious eye damage/irritation

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- Department issuing data specification sheet: Ma-Fra Laboratories**- Contact:** lab@mafra.it**- Version number of previous version:** 2**- Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Met. Corr.1: Corrosive to metals – Category 1

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*Acute Tox. 4: Acute toxicity – Category 4**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2***- * Data compared to the previous version altered.**

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