

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : MACO TOP'NETT Truckwash degreaser (P980)
Revision date : 20-05-2025
Print date : 09-10-2025

Version (Revision) : 3.0.0 (2.0.0)

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

1.1 Product identifier

MACO TOP'NETT Truckwash degreaser (P980)
Unique Formula Identifier : J4Q2-C03J-100X-A8EQ

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

Relevant identified uses

Environmental release categories [ERC]

ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Uses advised against

This product should not be used for purposes other than the applications referred to above.

1.3 Details of the supplier of the safety data sheet

Supplier

Macoproducts BV

Street : Marsweg 40a

Postal code/City : 8013PD Zwolle

Country The Netherlands

Telephone : +31(0)38 – 741 00 08

Information contact : info@macoproducts.com

1.4 Emergency telephone number

+31 30 274 88 88 Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111, in Scotland: NHS 24 - dial 111 Ireland +353 (0)1 8092566 or +353 (0)1 8379964 National Poisons Information Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Corr. 1A ; H314 - Skin corrosion/irritation : Category 1A ; Causes severe skin burns and eye damage.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Corrosion (GHS05)

Signal word

Danger

Hazard components for labelling

SODIUM HYDROXIDE ; CAS No. : 1310-73-2

DISODIUM METASILICATE ; CAS No. : 6834-92-0

ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P310 Immediately call a POISON CENTER/doctor/....
P321 Specific treatment (see ... on this label).
P405 Store locked up.

Remark

The product is classified and labelled according to EC directives or corresponding national laws.

2.3 Other hazards

Frequently or prolonged contact with skin may cause dermal irritation.

Adverse human health effects and symptoms

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

2.4 Additional information

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

SODIUM HYDROXIDE ; EC No. : 215-185-5; CAS No. : 1310-73-2

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318

2-(2-BUTOXYETHOXY)ETHANOL ; EC No. : 203-961-6; CAS No. : 112-34-5

Weight fraction : $\geq 1 - < 5$ %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

DISODIUM METASILICATE ; EC No. : 229-912-9; CAS No. : 6834-92-0

Weight fraction : $\geq 3 - < 5$ %

Classification 1272/2008 [CLP] : Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 STOT SE 3 ; H335

ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; REACH No. : 01-2119488639 ; EC No. : 500-234-8; CAS No. : 68891-38-3

Weight fraction : $\geq 1 - < 3$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 3 ; H412

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; REACH No. : 01-2119490100-53 ; EC No. : 931-329-6; CAS No. : 68155-07-7

Weight fraction : $\geq 1 - < 2,5$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 2 ; H411

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE ; EC No. : 200-573-9; CAS No. : 64-02-8

Weight fraction : $\geq 1 - < 3$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

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Following inhalation

No special measures are necessary.

In case of skin contact

Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.

After eye contact

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

Following ingestion

Call a physician in any case! Do NOT induce vomiting. If major quantity of dust is swallowed or inhaled, immediately drink: Water

4.2 Most important symptoms and effects, both acute and delayed

The following symptoms may occur: No known symptoms to date. Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist Foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Do not breathe gas/fumes/vapour/spray. Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Emergency procedures

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Suitable material for taking up: Sand Absorbing material, organic

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6.4 Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage



7.1 Precautions for safe handling

Protective measures

Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible: Closed devices

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep/Store only in original container. Suitable container/equipment material: Stainless steel Polyethylene (PE)

Unsuitable container/equipment material: Butyl caoutchouc (butyl rubber)

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5

Limit value type (country of origin) : STEL (EC)

Limit value : 15 ppm / 101,2 mg/m³

Version : 20-06-2019

Limit value type (country of origin) : TWA (EC)

Limit value : 10 ppm / 67,5 mg/m³

Version : 20-06-2019

Limit value type (country of origin) : GSW TGG 15 minutes (NL)

Parameter : H: Skinabsorption

Limit value : 100 mg/m³ / 14,8 ppm

Version : 18-01-2025

Limit value type (country of origin) : GSW TGG 8 hours (NL)

Parameter : H: Skinabsorption

Limit value : 50 mg/m³ / 7,4 ppm

Version : 18-01-2025

DNEL-/PNEC-values

DNEL/DMEL

ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3

Limit value type : DNEL Consumer (local and systemic)

Exposure route : Dermal

Exposure frequency : Long-term

Limit value : 1650 mg/kg

Limit value type : DNEL Consumer (local and systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

Limit value : 52 mg/m³

Limit value type : DNEL Consumer (local and systemic)

Exposure route : Oral

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Exposure frequency : Long-term
Limit value : 0,079 mg/cm²
Limit value type : DMEL worker (local and systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 2750 mg/kg
Limit value type : DMEL worker (local and systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 175 mg/m³
Limit value type : DMEL worker (local and systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 0,132 mg/cm²
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7
Limit value type : DMEL worker (local)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 73 mg/m³
Limit value type : DMEL worker (local)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 0,09 mg/cm²
Limit value type : DMEL worker (local)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 4,16 mg/kg bw/day

PNEC

ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 24 mL/L
Limit value type : PNEC (Aquatic, intermittent release)
Limit value : 0,071 mg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,024 mg/l
Limit value type : PNEC (Sediment, freshwater)
Limit value : 0,9168 mg/kg
Limit value type : PNEC (Sediment, marine water)
Limit value : 0,0917 mg/kg
Limit value type : PNEC (Soil)
Limit value : 7,5 mg/kg
Limit value type : PNEC (Sewage treatment plant)
Limit value : 10000 mg/l

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7

Limit value type : PNEC (Aquatic, freshwater)
Limit value : 2,4 µg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,24 µg/l
Limit value type : PNEC (Sediment, freshwater)
Limit value : 14,5 µg/kg bw/day
Limit value type : PNEC (Soil)
Limit value : 6,48 µg/kg bw/day

8.2 Exposure controls

Personal protection equipment

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Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection Suitable gloves type EN ISO 374 Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber) Required properties liquid-tight. Breakthrough time Permeation time (maximum wear duration) Thickness of the glove material Nitril: 0,12 mm Butyl: 0,50 mm

General information

Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : blue

Odour : Pine

Safety characteristics

Initial boiling point and boiling range :	(1013 hPa)	>	100	°C
Decomposition temperature :		>	200	°C
Density :	(20 °C)	approx.	1,2	g/cm ³
Water solubility :	(20 °C)		100	Weight-%
pH :			13	
Viscosity :	(20 °C)			mPa*s
Physical state :	Liquid			
Melting point/freezing point :	No data available			
Freezing point :	No data available			
Flash point :	not applicable			
Auto-ignition temperature :	not applicable			
Lower explosion limit :	not applicable			
Upper explosion limit :	not applicable			
Vapour pressure :	not applicable			
Water solubility :	not applicable			
Flow time :	not applicable			
Odour threshold :	not applicable			
Vapourisation rate :	not applicable			
- 2-(2-BUTOXYETHOXY)ETHANOL; CAS No. : 112-34-5				
Flash point :			100 - 110	°C

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Not applicable

10.2 Chemical stability

Stable under normal conditions of use

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10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity

Parameter : LD50 (2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Exposure route : Oral
Species : Rat
Effective dose : 6580 mg/kg

Acute dermal toxicity

Parameter : LD50 (2-(2-BUTOXYETHOXY)ETHANOL ; CAS No. : 112-34-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : 4120 mg/kg
Parameter : LD50 (ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/l
Parameter : LC50 (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Exposure time : 4 h
Parameter : LD50 (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7)
Exposure route : Dermal
Species : Rat
Effective dose : > 5000 mg/kg

Acute inhalation toxicity

Parameter : LD50 (ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3)
Exposure route : Inhalation
Species : Rat
Effective dose : > 2000 mg/kg

Corrosion

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

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No information available.

Irritation to respiratory tract

No information available.

Respiratory or skin sensitisation

Skin sensitisation

No information available.

Sensitisation to the respiratory tract

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Harmless to aquatic organisms up to the tested concentration.

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3)

Species : Danio rerio (zebrafish)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 7,1 mg/l

Exposure time : 96 h

Parameter : EC50 (ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3)

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) fish toxicity

Effective dose : 7,4 mg/l

Exposure time : 48 h

Parameter : EC50 (ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3)

Species : Algae

Evaluation parameter : Acute (short-term) toxicity to algae and cyanobacteria

Effective dose : 27 mg/l

Exposure time : 72 h

Chronic (long-term) fish toxicity

Parameter : NOEC (ALCOHOLS, C12-C14, ETHOXYLATED, SULFATES SALTS (< 2,5 EO) ; CAS No. : 68891-38-3)

Species : Algae

Evaluation parameter : Chronic (long-term) toxicity to aquatic algae and cyanobacteria

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Effective dose : 0,955 mg/l
Exposure time : 72 h

Acute (short-term) toxicity to algae and cyanobacteria

Parameter : EC50 (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7)

Species : Algae
Effective dose : 0,39 mg/l
Exposure time : 72 h

Parameter : EC50 (Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) ; CAS No. : 68155-07-7)

Species : Daphnia magna (Big water flea)
Effective dose : 0,32 mg/l
Exposure time : 48 h

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number or ID number

UN 1760

14.2 UN proper shipping name

Land transport (ADR/RID)

CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE · DISODIUM TRIOXOSILICATE)

Sea transport (IMDG)

CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE · DISODIUM TRIOXOSILICATE)

Air transport (ICAO-TI / IATA-DGR)

CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE · DISODIUM TRIOXOSILICATE)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 8
Classification code : C9
Hazard identification number (Kemler No.) : 88
Tunnel restriction code : E
Special Provisions : LQ 0 · E 0

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Hazard label(s) :



8

Sea transport (IMDG)

Class(es) :

8

EmS-No. :

F-A / S-B

Special Provisions :

LQ 0 · E 0 · IMDG-Code segregation group 18 - Alkalis

Hazard label(s) :



8

Air transport (ICAO-TI / IATA-DGR)

Class(es) :

8

Special Provisions :

E 0

Hazard label(s) :



8

14.4 Packing group

I

14.5 Environmental hazards

Land transport (ADR/RID) : No

Sea transport (IMDG) : No

Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3, 55, 75

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

None

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport

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(IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 15. Restrictions on use

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM = American Society of Testing and Materials (US)
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substance
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EWC = European Waste Catalogue
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic
PNEC = Predicted Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

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.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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