according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

Revision Date 07/05/2019 SDS Number 350000035845

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD MSEC Peppermint

Recommended use : Hard Surface Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer,

supplier

: Caldrea 1525 Howe Street

Racine WI 53403-2236

Telephone : +1-800-558-5252

Emergency telephone

number

: 24 Hour Medical Emergency Phone: (866)231-5406 24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
2 methyl 4 isothiazolin-3-one	2682-20-4	0.0001 - 0.10

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.caldrea.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : No adverse effects expected when used as directed.

Skin effect : No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

Ingestion : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing

media

: Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Specific hazards during

firefighting

: Container may melt and leak in heat of fire.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

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Further information : Fight fire with normal precautions from a reasonable distance.

Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing

apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wash thoroughly after handling.

Environmental precautions

Outside of normal use, avoid release to the environment.

Methods and materials

for containment and

cleaning up

: Dike large spills.

Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe

handling

: Avoid contact with skin, eyes and clothing. For personal protection see section 8.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion

: Normal measures for preventive fire protection.

Storage

Requirements for storage

areas and containers

: Keep container closed when not in use.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : Colorless

Odour : Herbal

Odour Threshold : Test not applicable for this product type

pH : 7 - 7.5

Melting point/freezing point : 0 °C

Initial boiling point and

boiling range

: Test not applicable for this product type

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

SDS Number 350000035845 Revision Date 07/05/2019

Flash point : does not flash

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Does not sustain combustion.

explosive limits

Upper/lower flammability or : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

Relative density : 1.01 g/cm3 at 25 °C

Solubility(ies) : soluble

Partition coefficient: n-

octanol/water

: Test not applicable for this product type

Auto-ignition temperature : Test not applicable for this product type

Decomposition temperature: Test not applicable for this product type

Viscosity, dynamic : similar to water

Viscosity, kinematic : Test not applicable for this product type

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

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Oxidizing properties : Test not applicable for this product type

Volatile Organic : 0.2 % - additional exemptions may apply

Compounds *as defined by US Federal and State Consumer Product

Total VOC (wt. %)* Regulations

Other information : None identified :

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous

reactions

: If accidental mixing occurs and toxic gas is formed, exit area

immediately. Do not return until well ventilated.

Conditions to avoid : Direct sources of heat.

Incompatible materials : Do not mix with bleach or any other household cleaners.

Strong bases

Hazardous decomposition

products

: Thermal decomposition can lead to release of irritating gases

and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 > 5000 mg/kg

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

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GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition

: None known.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

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12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
2 methyl 4 isothiazolin-3-one	LC50	Oncorhynchus mykiss (rainbow trout)	4.77 mg/l	96 h
	NOEC	Oncorhynchus mykiss (rainbow trout)	2.38 mg/l	98 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
2 methyl 4 isothiazolin-3-one	EC50	Daphnia magna (Water flea)	0.998 mg/l	48 h
	NOEC	Daphnia magna	0.359 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
2 methyl 4 isothiazolin-3-one	EC10	Pseudokirchneriella subcapitata (green algae)	0.024 mg/l	24 h

Persistence and degradability

Component	Biodegradation	Exposure	Summary
		time	

according to Hazard Communication Standard; 29 CFR 1910.1200

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2 methyl 4 isothiazolin-3-one	No data available	Not readily
		biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n- Octanol/water (log)
2 methyl 4 isothiazolin-3-one	3 estimated	-0.32

Mobility

Component	End point	Value
2 methyl 4 isothiazolin-3-one	Koc	0.03 - 246.7

PBT and vPvB assessment

Component	Results
2 methyl 4 isothiazolin-3-one	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

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Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from

listing on the U.S. Toxic Substances Control Act (TSCA)

Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances

Notification requirements under the Canadian Environmental

Protection Act (CEPA).

California Prop. 65 : This product is not subject to the reporting requirements under

California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Timio Katings		
Health	0	
Flammability	0	
Reactivity	0	

NFPA Ratings

Health	0	
Fire	0	
Reactivity	0	
Special	-	

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Peppermint

Version 1.1 Print Date 07/07/2021

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workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Ifety Assessment & Regulatory Affairs (GSARA)	l by Global Safet
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according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

Revision Date 11/02/2020 SDS Number 350000030694

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD Dish Liquid Peppermint

Recommended use : Hard Surface Cleaner

Restrictions on use : Use only as directed on label

Manufacturer, importer,

supplier

: Caldrea

1525 Howe Street

Racine WI 53403-2236

Telephone : +1-800-558-5252

Emergency telephone

number

24 Hour Medical Emergency Phone: (866)231-540624 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Sulfuric acid, mono-C10-16-alkyl	68585-47-7	5.00 - 10.00

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

Revision Date 11/02/2020 SDS Number 350000030694

esters, sodium salts		
Alkylpolyglycoside C10-16	110615-47-9	5.00 - 10.00
Glycerin	56-81-5	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.caldrea.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : No adverse effects expected when used as directed.

Skin effect : No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

Ingestion : No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing

media

: Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

SDS Number 350000030694 Revision Date 11/02/2020

Specific hazards during

firefighting

: Container may melt and leak in heat of fire.

Further information : Fight fire with normal precautions from a reasonable distance.

> Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing

apparatus.

6. ACCIDENTAL RELEASE MEASURES

: Wash thoroughly after handling. Personal precautions

Environmental precautions

: Outside of normal use, avoid release to the environment.

Methods and materials for containment and

cleaning up

Dike large spills.

Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

Precautions for safe

handling

: Avoid contact with skin, eyes and clothing.

For personal protection see section 8.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection

against fire and explosion

: Normal measures for preventive fire protection.

Storage

areas and containers

Requirements for storage: Keep container closed when not in use.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non- standard units	Basis
Glycerin	56-81-5	15 mg/m3	-	-	OSHA TWA
Glycerin	56-81-5	5 mg/m3	-	-	OSHA TWA

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : Colorless

Odour : Herbal

Odour Threshold : Test not applicable for this product type

pH : 7.4 - 7.9

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

SDS Number 350000030694 Revision Date 11/02/2020

Melting point/freezing point : 0 °C

Initial boiling point and

boiling range

: Test not applicable for this product type

Flash point : does not flash

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) : Does not sustain combustion.

explosive limits

Upper/lower flammability or : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

Vapour density : Test not applicable for this product type

: 1.01 g/cm3 at 25 °C Relative density

Solubility(ies) : soluble

Partition coefficient: n-

octanol/water

: Test not applicable for this product type

Auto-ignition temperature : Test not applicable for this product type

Decomposition temperature: Test not applicable for this product type

: 400 - 600 mPa.s Viscosity, dynamic

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

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Viscosity, kinematic : Test not applicable for this product type

Oxidizing properties : Test not applicable for this product type

Volatile Organic Compounds Total VOC (wt. %)* : 0.3 % - additional exemptions may apply

*as defined by US Federal and State Consumer Product

Regulations

Other information : None identified

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous

reactions

: Stable under recommended storage conditions.

Conditions to avoid : Direct sources of heat.

Incompatible materials : None known.

Hazardous decomposition

products

: Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

SDS Number 350000030694 Revision Date 11/02/2020

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical : None known. Condition

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

Revision Date 11/02/2020 SDS Number 350000030694

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	LC50	Oncorhynchus mykiss (rainbow trout)	3.6 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	1.357 mg/l	42 d
Alkylpolyglycoside C10-16	semi- static test LC50 ISO 7346/2	Fish	1 - 10 mg/l	96 h
	NOEC	Fish	> 1 - 10 mg/l	
Glycerin	LC50	Oncorhynchus mykiss (rainbow trout)	51,000 - 57,000 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	EC50	Daphnia magna (Water flea)		48 h
			1.18 - 2.21 mg/l	

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

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	EC10		0.24 mg/l	48 d
Alkylpolyglycoside C10-16	static test EC50 NOEC	Daphnia magna (Water flea) Daphnia	7 mg/l > 1 - 10 mg/l	48 h
Glycerin	LC50	Daphnia magna (Water flea)	1,955 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	NOEC	Scenedesmus quadricauda (Green algae)	0.6 mg/l	72 h
Alkylpolyglycoside C10-16	static test EC50	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h
Glycerin	EC10	Microcystis aeruginosa (blue-green algae)	2,900 mg/l	168 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	100 %		Readily biodegradable.
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable.
Glycerin	94 %	24 h	Readily biodegradable.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

Version 1.4 Print Date 06/29/2021

Revision Date 11/02/2020 SDS Number 350000030694

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n- Octanol/water (log)
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	34.31	2.42
Alkylpolyglycoside C10-16	No data available	<= -0.07
Glycerin	0.89 estimated	-1.76

Mobility

Component	End point	Value
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	No data available	
Alkylpolyglycoside C10-16	log Koc	1.7
Glycerin	No data available	-

PBT and vPvB assessment

Component	Results
Sulfuric acid, mono-C10-16-	Not fulfilling PBT and vPvB criteria
alkyl esters, sodium salts	
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Glycerin	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

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Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Notification status : All ingredients of this product are listed or are excluded from

listing on the U.S. Toxic Substances Control Act (TSCA)

Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances

Notification requirements under the Canadian Environmental

Protection Act (CEPA).

California Prop. 65 : This product is not subject to the reporting requirements under

California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

riiviio italiilys		
Health	0	
Flammability	0	
Reactivity	0	

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Liquid Peppermint

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NFPA Ratings

iti i / t i tatilige		
Health	0	
Fire	0	
Reactivity	0	
Special	-	

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	Global Safety Assessment & Regulatory Affairs (GSARA)
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