



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

Scotchgard(TM) Resilient Floor Protector

#### Product Identification Numbers

ID Number	UPC	ID Number	UPC
70-0716-5924-0	00-51125-85861-3	70-0716-5944-8	00-51125-85880-4

7010386087, 7100058130

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Water based formula protects resilient flooring surfaces such as vinyl, vinyl composition (VCT), and solid vinyl tile (SVT),. Hard Floor Maintenance

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Commercial Branding and Transportation Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

##### Pictograms

Not applicable.

26% of the mixture consists of ingredients of unknown acute oral toxicity.

26% of the mixture consists of ingredients of unknown acute dermal toxicity.

### SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	60 - 80 Trade Secret *
Nanoscale Proprietary Stabilizer	Trade Secret*	5 - 15 Trade Secret *
Emulsion Polymer Blend	Trade Secret*	3 - 10 Trade Secret *
Ethoxydiglycol	111-90-0	1 - 5 Trade Secret *
POLY(METHYL METHACRYLATE)	9011-14-7	1 - 5 Trade Secret *
POLYURETHANE POLYMER NJ RTK: 800967-5782	Not Applicable	1 - 5 Trade Secret *
Benzyl Benzoate	120-51-4	< 2 Trade Secret *
Dipropylene Glycol Butyl Ether	29911-28-2	0.1 - 1 Trade Secret *
Tributoxyethyl Phosphate	78-51-3	0.1 - 1 Trade Secret *
POLYETHYLENE WAX	Not Applicable	0.1 - 1 Trade Secret *
Siloxane Carboxylate Potassium Salt	Trade Secret*	0.1 - 1 Trade Secret *
Dimethicone	63148-62-9	< 0.01 Trade Secret *
Methylchloroisothiazolinone	26172-55-4	< 0.001 Trade Secret *
Methylisothiazolinone	2682-20-4	< 0.001 Trade Secret *

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

##### Skin Contact:

If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

##### Eye Contact:

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

##### If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

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

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

#### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

## 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

## 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

# SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

## 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

## 6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

## 7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing agents.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Ethoxydiglycol	111-90-0	AIHA	TWA:140 mg/m3(25 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists  
 AIHA : American Industrial Hygiene Association  
 CMRG : Chemical Manufacturer's Recommended Guidelines  
 OSHA : United States Department of Labor - Occupational Safety and Health Administration  
 TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

None required.

#### Skin/hand protection

No chemical protective gloves are required.

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

##### Physical state

Liquid

##### Color

Milky White

#### Odor

Slight Paint

#### Odor threshold

*No Data Available*

#### pH

8.2

#### Melting point

*No Data Available*

#### Boiling Point

$\geq 212\text{ }^{\circ}\text{F}$

#### Flash Point

$> 200\text{ }^{\circ}\text{F}$  [Test Method: Closed Cup]

#### Evaporation rate

*No Data Available*

#### Flammability (solid, gas)

Not Applicable

#### Flammable Limits(LEL)

*No Data Available*

#### Flammable Limits(UEL)

*No Data Available*

#### Vapor Pressure

$\leq 17.5\text{ mmHg}$  [ @  $20\text{ }^{\circ}\text{C}$  ]

#### Vapor Density

*No Data Available*

#### Density

1 - 1.2 g/ml

#### Specific Gravity

1 - 1.2 [Details: Water =1]

#### Solubility In Water

*No Data Available*

#### Solubility- non-water

*No Data Available*

#### Partition coefficient: n-octanol/ water

*No Data Available*

#### Autoignition temperature

*No Data Available*

#### Decomposition temperature

*No Data Available*

Viscosity	4 centipoise
Molecular weight	No Data Available
Volatile Organic Compounds	0 - 0.1 %
Percent volatile	No Data Available
VOC Less H2O & Exempt Solvents	0 - 4.0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Strong acids

Strong bases

Strong oxidizing agents

Alkali and alkaline earth metals

### 10.6. Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
Ammonia	Not Specified
Oxides of Nitrogen	Not Specified

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation:

No health effects are expected.

#### Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation.

#### Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Ethoxydiglycol	Dermal	Rabbit	LD50 9,143 mg/kg
Ethoxydiglycol	Ingestion	Rat	LD50 5,400 mg/kg
POLY(METHYL METHACRYLATE)	Dermal		LD50 estimated to be > 5,000 mg/kg
POLY(METHYL METHACRYLATE)	Ingestion	Rat	LD50 > 5,000 mg/kg
Benzyl Benzoate	Dermal	Professional judgment	LD50 estimated to be 2,000 - 5,000 mg/kg
Benzyl Benzoate	Ingestion	Rat	LD50 > 2,000 mg/kg
Siloxane Carboxylate Potassium Salt	Dermal	similar compounds	LD50 > 2,000 mg/kg
Siloxane Carboxylate Potassium Salt	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 2.3 mg/l
Siloxane Carboxylate Potassium Salt	Ingestion	similar compounds	LD50 > 5,000 mg/kg
Tributoxyethyl Phosphate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Tributoxyethyl Phosphate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.4 mg/l
Tributoxyethyl Phosphate	Ingestion	Rat	LD50 4,700 mg/kg
Dimethicone	Dermal	Multiple animal species	LD50 > 2,000 mg/kg
Dimethicone	Ingestion	Rat	LD50 > 5,000 mg/kg
Methylchloroisothiazolinone	Dermal	Rabbit	LD50 87 mg/kg
Methylchloroisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
Methylchloroisothiazolinone	Ingestion	Rat	LD50 40 mg/kg
Methylisothiazolinone	Dermal	Rabbit	LD50 87 mg/kg
Methylisothiazolinone	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.171 mg/l
Methylisothiazolinone	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Ethoxydiglycol	Rabbit	No significant irritation
POLY(METHYL METHACRYLATE)	Rabbit	No significant irritation
Benzyl Benzoate	Rabbit	Minimal irritation
Tributoxyethyl Phosphate	Rabbit	Irritant
Dimethicone	Human and animal	No significant irritation
Methylchloroisothiazolinone	Rabbit	Corrosive
Methylisothiazolinone	Rabbit	Corrosive

**Serious Eye Damage/Irritation**

Name	Species	Value
Ethoxydiglycol	Rabbit	Moderate irritant
POLY(METHYL METHACRYLATE)	Rabbit	Mild irritant
Benzyl Benzoate	Rabbit	No significant irritation
Tributoxyethyl Phosphate	Rabbit	Mild irritant
Dimethicone	Rabbit	No significant irritation
Methylchloroisothiazolinone	Rabbit	Corrosive
Methylisothiazolinone	Rabbit	Corrosive

**Skin Sensitization**

Name	Species	Value
Ethoxydiglycol	Human	Not classified
Benzyl Benzoate	Human and animal	Not classified
Tributoxyethyl Phosphate	Mouse	Sensitizing
Dimethicone	Human and animal	Not classified
Methylchloroisothiazolinone	Human and animal	Sensitizing
Methylisothiazolinone	Human and animal	Sensitizing

**Photosensitization**

Name	Species	Value
Methylchloroisothiazolinone	Human and animal	Not sensitizing
Methylisothiazolinone	Human and animal	Not sensitizing

**Respiratory Sensitization**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

Name	Route	Value
Ethoxydiglycol	In Vitro	Not mutagenic
Ethoxydiglycol	In vivo	Not mutagenic
Benzyl Benzoate	In Vitro	Not mutagenic
Tributoxyethyl Phosphate	In Vitro	Not mutagenic
Tributoxyethyl Phosphate	In vivo	Not mutagenic
Dimethicone	In Vitro	Not mutagenic
Dimethicone	In vivo	Not mutagenic
Methylchloroisothiazolinone	In vivo	Not mutagenic
Methylchloroisothiazolinone	In Vitro	Some positive data exist, but the data are not sufficient for classification
Methylisothiazolinone	In vivo	Not mutagenic
Methylisothiazolinone	In Vitro	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Dimethicone	Dermal	Mouse	Not carcinogenic

Dimethicone	Ingestion	Mouse	Not carcinogenic
Methylchloroisothiazolinone	Dermal	Mouse	Not carcinogenic
Methylchloroisothiazolinone	Ingestion	Rat	Not carcinogenic
Methylisothiazolinone	Dermal	Mouse	Not carcinogenic
Methylisothiazolinone	Ingestion	Rat	Not carcinogenic

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Ethoxydiglycol	Dermal	Not classified for development	Rat	NOAEL 5,500 mg/kg/day	during organogenesis
Ethoxydiglycol	Ingestion	Not classified for development	Mouse	NOAEL 5,500 mg/kg/day	during organogenesis
Ethoxydiglycol	Inhalation	Not classified for development	Rat	NOAEL 0.6 mg/l	during organogenesis
Ethoxydiglycol	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,200 mg/kg/day	2 generation
Benzyl Benzoate	Ingestion	Not classified for development	Rat	NOAEL 194 mg/kg/day	during gestation
Tributoxyethyl Phosphate	Ingestion	Not classified for development	Rat	NOAEL 1,500 mg/kg/day	during organogenesis
Dimethicone	Ingestion	Not classified for development	Rat	NOAEL 3,800 mg/kg/day	during organogenesis
Dimethicone	Dermal	Not classified for development	Rabbit	NOAEL 1,000 mg/kg/day	during organogenesis
Methylchloroisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylchloroisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylchloroisothiazolinone	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis
Methylisothiazolinone	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylisothiazolinone	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Methylisothiazolinone	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Ethoxydiglycol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Tributoxyethyl Phosphate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Tributoxyethyl Phosphate	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Rat	NOAEL Not available	
Tributoxyethyl Phosphate	Ingestion	peripheral nervous system	Not classified	Chicken	NOAEL 5,000 mg/kg	
Methylchloroisothiazolinone	Inhalation	respiratory irritation	May cause respiratory irritation	similar health	NOAEL Not available	



				hazards		
Methylisothiazolinone	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	

#### Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Ethoxydiglycol	Dermal	kidney and/or bladder	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	12 weeks
Ethoxydiglycol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Pig	NOAEL 167 mg/kg/day	90 days
Ethoxydiglycol	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 2,700 mg/kg/day	90 days
Ethoxydiglycol	Ingestion	endocrine system	Not classified	Rat	NOAEL 2,500 mg/kg/day	90 days
Ethoxydiglycol	Ingestion	heart   hematopoietic system   nervous system	Not classified	Mouse	NOAEL 8,100 mg/kg/day	90 days
Benzyl Benzoate	Dermal	skin   endocrine system   nervous system   heart   hematopoietic system   liver   immune system   kidney and/or bladder   respiratory system	Not classified	Rat	NOAEL 1,250 mg/kg/day	4 weeks
Tributoxyethyl Phosphate	Dermal	skin	Not classified	Rabbit	NOAEL 10 mg/kg/day	21 days
Tributoxyethyl Phosphate	Dermal	hematopoietic system	Not classified	Rabbit	NOAEL 1,000 mg/kg/day	21 days
Tributoxyethyl Phosphate	Ingestion	heart   peripheral nervous system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 255 mg/kg/day	18 weeks
Tributoxyethyl Phosphate	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 9900 ppm in the diet	18 weeks
Tributoxyethyl Phosphate	Ingestion	liver   kidney and/or bladder	Not classified	Rat	NOAEL 509 mg/kg/day	18 weeks
Tributoxyethyl Phosphate	Ingestion	eyes	Not classified	Rat	NOAEL 9900 ppm in the diet	18 weeks
Tributoxyethyl Phosphate	Ingestion	endocrine system   gastrointestinal tract   respiratory system	Not classified	Rat	NOAEL 509 mg/kg/day	18 weeks
Tributoxyethyl Phosphate	Ingestion	skin   immune system   muscles	Not classified	Rat	NOAEL 100 mg/kg/day	14 days
Dimethicone	Ingestion	eyes	Not classified	Rat	NOAEL 10% in the diet	90 days
Dimethicone	Ingestion	respiratory system	Not classified	Rat	NOAEL 1% in the diet	90 days
Dimethicone	Ingestion	gastrointestinal tract	Not classified	Multiple animal species	NOAEL 10% in the diet	90 days
Dimethicone	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 10% in the diet	90 days
Dimethicone	Ingestion	heart   liver   kidney and/or bladder   vascular system	Not classified	Rat	NOAEL 1% in the diet	90 days

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information****Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**SECTION 14: Transport Information**

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

**SECTION 15: Regulatory information****15.1. US Federal Regulations**

Contact 3M for more information.

**EPCRA 311/312 Hazard Classifications:****Physical Hazards**

Not applicable

**Health Hazards**

Not applicable

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

**Ingredient**

Ethoxydiglycol (CAS NO SEQ548L1)

**C.A.S. No**

111-90-0

**% by Wt**

Trade Secret 1 - 5

**15.2. State Regulations**

Contact 3M for more information.

### 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

### 15.4. International Regulations

Contact 3M for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

### NFPA Hazard Classification

**Health:** 1 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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