SATIN FINISH

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)
Issue date: 2/17/2023 Revision date: 4/16/2023 Version: 1.1

SECTION 1: Identification

1.1. Product identifier

Product name : SATIN FINISH
Product code : P303945

1.2. Recommended use and restrictions on use

Recommended use : Matte floor finish
Restrictions on use : Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 201A
Hamilton, Ontario L8R 2J9
T 1 800 663 9925
regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Canada	CHEMTREC Chemical Emergency	www.chemtrec.com	1 800 424 9300	24hr/day 7days/week within USA and Canada
Canada	CANUTEC Transportation Emergency	www.canutec.com	1 613 996 6666 *666 on a cell phone	24hr/day 7days/week within USA and Canada

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin sensitisation, Category 1 H317 May cause an allergic skin reaction.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Warning
Hazard statements (GHS CA) : H317 - May cause an allergic skin reaction.

Precautionary statements (GHS CA) : P261 - Avoid breathing fume, mist, vapours, or spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves and protective clothing.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction in Section 4 or on the product SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents and or container to hazardous or special waste collection point, in accordance with local, regional, national and or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% w/w
Tributoxy ethyl phosphate	Tributoxyethylphosphate	CAS-No.: 78-51-3	1 – 5
Glycol ether DPM	Dipropylene glycol monomethyl ether	CAS-No.: 34590-94-8	1 – 5
Zinc ammonia carbonate complex	Tetraamminezinc(2+) carbonate (1:1)	CAS-No.: 38714-47-5	0.1 – 1

**The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.*

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice or attention.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : May cause an allergic skin reaction.
Chronic symptoms : Cracking of the skin. Dry skin.
Expected Symptoms/Effects, Acute and Delayed : May produce an allergic reaction.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

General measures : Avoid contact with skin. Do not handle until all safety precautions have been read and understood. Clean up any spills as soon as possible, using an absorbent material to collect it.

6.1.1. For non-emergency personnel

Protective equipment : Gloves (EN 374). Protective clothing (EN 14605 or EN 13034).
Emergency procedures : Ventilate spillage area. Avoid breathing fume, mist, vapours, or spray. Avoid contact with skin.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".
Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Cover spill with non combustible material, e.g.: sand or earth. Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing fume, mist, vapours, or spray. Avoid contact with skin.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area.
Incompatible products : Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Glycol ether DPM (34590-94-8)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	(2-Methoxymethylethoxy) propanol (Dipropylene glycol methyl ether, DPGME)
OEL TWA	606 mg/m³
OEL TWA [ppm]	100 ppm
OEL STEL	909 mg/m³
OEL STEL [ppm]	150 ppm
Notations and remarks	Substance may be readily absorbed through intact skin.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Dipropylene glycolmonomethyl ether
VECD (OEL STEL)	909 mg/m³
VECD (OEL STEL) [ppm]	150 ppm
VEMP (OEL TWA)	606 mg/m³
VEMP (OEL TWA) [ppm]	100 ppm

Glycol ether DPM (34590-94-8)	
Notations and remarks	Pc
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether [bis-(2-Methoxypropyl) ether (DPGME)]
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	150 ppm
Notations and remarks	Skin
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	50 ppm
Notations and remarks	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2022
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	50 ppm
Notations and remarks	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2022
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	50 ppm
Notations and remarks	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2022
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	150 ppm
Notations and remarks	Skin

Glycol ether DPM (34590-94-8)	
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	150 ppm
Notations and remarks	Skin
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Canada (Ontario) - Occupational Exposure Limits	
Local name	(2-Methoxymethylethoxy)propanol (DPGME)
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	150 ppm
Notations and remarks	Skin
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	50 ppm
Notations and remarks	TLV® Basis: Liver & CNS eff
Regulatory reference	ACGIH 2022
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
OEL TWA [ppm]	100 ppm
OEL STEL [ppm]	150 ppm
Notations and remarks	Skin
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
USA - ACGIH - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether (DPGME)
ACGIH OEL TWA [ppm]	50 ppm
Remark (ACGIH)	TLV® Basis: Liver & CNS eff

Glycol ether DPM (34590-94-8)	
Regulatory reference	ACGIH 2022
USA - OSHA - Occupational Exposure Limits	
Local name	Dipropylene glycol methyl ether
OSHA PEL TWA [1]	600 mg/m³
OSHA PEL TWA [2]	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Materials for protective clothing:
Nitrile rubber/PVC

Hand protection:
Protective gloves against chemicals (EN 374)

Skin and body protection:
Protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Milky white liquid.
Colour	:	milky
Odour	:	Slight ammonia odour
Odour threshold	:	No data available
pH	:	8 – 9
Relative evaporation rate (butylacetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	Non flammable
Auto-ignition temperature	:	Not self-igniting
Decomposition temperature	:	No data available
Upper and lower flammability or explosive limit	:	No data available Not flammable
Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	1 – 1.05
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	Thin like water
Explosive properties	:	Product is not explosive.
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
Incompatible materials	:	Strong acids.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time: : No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

SATIN FINISH	
ATE dermal rat	55276.4 mg/kg
ATE Inhalation - Rat	75.4 mg/l/4h

Tributoxy ethyl phosphate (78-51-3)	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 2040 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	> 6.4 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))
ATE CA (Dermal)	1100 mg/kg bodyweight
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Glycol ether DPM (34590-94-8)	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	9510 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 3000 mg/m³ Source: ECHA
ATE CA (Dermal)	9510 mg/kg bodyweight

Zinc ammonia carbonate complex (38714-47-5)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other:

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Tributoxy ethyl phosphate (78-51-3)	
STOT-single exposure	May cause respiratory irritation.

Glycol ether DPM (34590-94-8)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Glycol ether DPM (34590-94-8)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:

Aspiration hazard : Not classified

Likely routes of exposure : Skin and eyes contact. Inhalation.

Expected Symptoms/Effects, Acute and Delayed : May produce an allergic reaction.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Chronic symptoms : Cracking of the skin. Dry skin.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Not classified

Partition coefficient n-octanol/water (Log Kow)	No data available

Glycol ether DPM (34590-94-8)	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value, GLP)
EC50 - Other aquatic organisms [1]	1930 mg/l Test organisms (species): other aquatic crustacea:
ErC50 algae	> 969 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	> 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 969 mg/l Source: ECHA
NOEC (chronic)	≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'
Partition coefficient n-octanol/water (Log Pow)	0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
LOEC (chronic)	0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d'

Zinc ammonia carbonate complex (38714-47-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.46 Source: ECHA

12.2. Persistence and degradability

Persistence and degradability	The polymers are not biodegradable, but they would be removed in biological wastewater treatment plants by adsorption to biosolids. No bioconcentration of the polymeric component is expected.

Tributoxy ethyl phosphate (78-51-3)	
Persistence and degradability	Inherently biodegradable.
Chemical oxygen demand (COD)	1.839 g O_2/g substance

Glycol ether DPM (34590-94-8)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0 g O_2/g substance
ThOD	2.06 g O_2/g substance

12.3. Bioaccumulative potential

Bioaccumulative potential	Not established.
Partition coefficient n-octanol/water (Log Kow)	No data available

Tributoxy ethyl phosphate (78-51-3)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	3.75 (Experimental value)

Glycol ether DPM (34590-94-8)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

Zinc ammonia carbonate complex (38714-47-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.46 Source: ECHA

12.4. Mobility in soil

Ecology - soil	No (test) data on mobility of the substance available.
Partition coefficient n-octanol/water (Log Kow)	No data available

Tributoxy ethyl phosphate (78-51-3)	
Surface tension	32.7 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
Ecology - soil	No (test)data on mobility of the substance available.
Partition coefficient n-octanol/water (Log Pow)	3.75 (Experimental value)

Glycol ether DPM (34590-94-8)	
Surface tension	68.7 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Highly mobile in soil. Not toxic to plants.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	0.004 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)

Zinc ammonia carbonate complex (38714-47-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.46 Source: ECHA

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Tributoxy ethyl phosphate (78-51-3)
Listed on the Canadian DSL (Domestic Substances List)

Glycol ether DPM (34590-94-8)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Tributoxy ethyl phosphate (78-51-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

Glycol ether DPM (34590-94-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

Issue date : 02/17/2023

Revision date : 04/16/2023

Full text of H-statements:	
H317	May cause an allergic skin reaction.

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.