Printing date 03/14/2018



Reviewed on 06/21/2017

1 Identification

- · Product identifier
- · Trade name: <u>38344 Vinyl Prep</u>
- · Article number: 38344
- Application of the substance / the mixture Interior vehicle cleaner
- Details of the supplier of the safety data sheet

• Manufacturer/Supplier: SEM Products Inc. 1685 Overview Drive Rock Hill, SC 29730 803 207 8225

· Information department:

cust_care@semproducts.com : SEM Products,Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT

• Emergency telephone number: CHEMTREC 1-800-424-9300

2 Hazard(s) identification

· Classification of the substance or mixture

GHS07

Skin Irrit. 2H315Causes skin irritation.Eye Irrit. 2AH319Causes serious eye irritation.STOT SE 3H335May cause respiratory irritation.

Flam. Liq. 4 H227 Combustible liquid.

· Label elements

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



- · Signal word Warning
- · Hazard-determining components of labeling:
- (2-methoxymethylethoxy)propanol

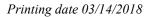
· Hazard statements

- H227 Combustible liquid.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.

· Precautionary statements

- *P210 Keep away from flames and hot surfaces. No smoking.*
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

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	(Contd. of page 1)			
P302+P352	If on skin: Wash with plenty of water.			
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.			
P305+P351+P33	8 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present			
	and easy to do. Continue rinsing.			
P312	Call a poison center/doctor if you feel unwell.			
P321	Specific treatment (see on this label).			
P362+P364	Take off contaminated clothing and wash it before reuse.			
P332+P313	If skin irritation occurs: Get medical advice/attention.			
P337+P313	If eye irritation persists: Get medical advice/attention.			
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.			
P403+P233	Store in a well-ventilated place. Keep container tightly closed.			
P403+P235				
	Store in a well-ventilated place. Keep cool.			
P405	Store locked up.			
P501	Dispose of contents/container in accordance with local/regional/national/international			
	regulations.			
· Classification syst				
· NFPA ratings (sco	ale 0 - 4)			
Hoa	lth = 2			
	an - 2 a = 2			
	z = -2 ctivity = 0			
	cuvity = 0			
· HMIS-ratings (sco	ale 0 - 4)			
HEALTH 2 He	alth = 2			
	e = 2			
	e - 2 activity = 0			
REACTIVITY 0 Real	activity = 0			
• Other hazards				
	nd vPvB assessment			
• PBT: Not applical				
• vPvB: Not applicat				
	<i>UIC.</i>			
2 Composition lin	formation on ingredients			
s Composition/in	jormation on ingreatents			
· Chemical charact	arization · Mixturas			
• Description:				
	g of the following components.			
Weight percentage				
÷. •				
· Dangerous compo				
34590-94-8 (2-me	34590-94-8 (2-methoxymethylethoxy)propanol 60-70%			
4 First-aid meast	ures			

- Description of first aid measures
- *After inhalation:* In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: If symptoms persist consult doctor.

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- USA

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· Information for doctor:

(Contd. of page 2)

• Most important symptoms and effects, both acute and delayed No further relevant information available. • Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

• *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*

- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

- *Reference to other sections* See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
- Protective Action Criteria for Chemicals

• PAC-1:		
34590-94-8	(2-methoxymethylethoxy)propanol	150 ppm
9036-19-5	5 Polyethylene glycol octylphenyl ether 13	
· PAC-2:		
34590-94-8	(2-methoxymethylethoxy)propanol	1700* ppm
9036-19-5	5Polyethylene glycol octylphenyl ether140 mg	
· PAC-3:		
34590-94-8	(2-methoxymethylethoxy)propanol	9900** ppm
9036-19-5	Polyethylene glycol octylphenyl ether	830 mg/m

7 Handling and storage

· Handling:

- Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires: Keep ignition sources away Do not smoke.
- Conditions for safe storage, including any incompatibilities

· Storage:

- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

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· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

• Components with limit values that require monitoring at the workplace:

3459	0-94-8	(2-me	ethox	ymethy	leth	oxy)pro	opanol
DDI	т		1	600	1	100	

PEL Long-term value: 600 mg/m, 100 ppm Skin

- *REL* Short-term value: 900 mg/m, 150 ppm Long-term value: 600 mg/m, 100 ppm Skin
- Short-term value: 909 mg/m , 150 ppm TLVLong-term value: 606 mg/m, 100 ppm Skin

• Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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



Protective gloves

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

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

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

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· Eye protection:

(Contd. of page 4)



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Tightly sealed goggles

9 Physical and chemical properties

General Information Appearance:	
Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C
Flash point:	75 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	270 °C
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	14 Vol %
Vapor pressure at 20 °C:	23 hPa
Density at 20 °C:	0.96531 g/cm
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wat	t er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	69.9 %
Water:	29.9 %



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Solids content: • Other information	0.3 % No further relevant information available.	
VOC content:	69.88 % 674.0 g/l / 5.62 lb/gl	
		(Contd. of page 5)

10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- *Incompatible materials:* No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

· LD/LC50 values that are relevant for classification:

34590-94-8 (2-methoxymethylethoxy)propanol

 Oral
 LD50
 5,135 mg/kg (rat)

 Dermal
 LD50
 >19,000 mg/kg (rab)

· Primary irritant effect:

• on the skin: Irritant to skin and mucous membranes.

• on the eye: Irritating effect.

• Sensitization: No sensitizing effects known.

• Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

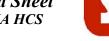
· Aquatic toxicity: No further relevant information available.

• Persistence and degradability No further relevant information available.

· Behavior in environmental systems:

· Bioaccumulative potential No further relevant information available.

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· Mobility in soil No further relevant information available.

• Additional ecological information:

· General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. • Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• Other adverse effects No further relevant information available.

13 Disposal considerations

· 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.

14 Transport information

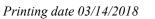
1 9	
· UN-Number · DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA · Class	Void
· Packing group · DOT, ADR, IMDG, IATA	Void
• Environmental hazards: • Marine pollutant:	No
· Special precautions for user	Not applicable.
• Transport in bulk according to Annex II oj MARPOL 73/78 and the IBC Code	r Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

- Section 355 (extremely hazardous substances):
- None of the ingredient is listed.

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	pecific toxic chemical listings):
	gredients is listed.
<i>v</i> (·
,	Substances Control Act):
All ingredients	
Proposition 65	
	own to cause cancer:
	gredients is listed.
	own to cause reproductive toxicity for females:
None of the ing	gredients is listed.
Chemicals know	own to cause reproductive toxicity for males:
None of the ing	gredients is listed.
Chemicals know	own to cause developmental toxicity:
None of the ing	gredients is listed.
Cancerogenity	0
EPA (Environ	mental Protection Agency)
None of the ing	gredients is listed.
TLV (Thresho	ld Limit Value established by ACGIH)
None of the ing	gredients is listed.
NIOSH-Ca (N	ational Institute for Occupational Safety and Health)
GHS label ele	gredients is listed. ments The product is classified and labeled according to the Globally Harmonized System (GH rams
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GHS label elect Hazard pictog GHS07 Signal word W Hazard-detern (2-methoxymet Hazard statem H227 Combus H315 Causes s H319 Causes s H319 Causes s H319 Causes s H315 May cau Precautionary P261 P264 P271 P264 P271 P260 P302+P352 P304+P340	<i>Teams</i> <i>Tarning</i> <i>Tarning</i> <i>Tarning components of labeling:</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>thylethoxy)propanol</i> <i>t</i>

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Printing date 03/14/2018

Reviewed on 06/21/2017

Trade name: 38344 Vinyl Prep

	(Conta. of page 8)
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

· *Contact: Rita Joiner (rjoiner@semproducts.com)*

- · Date of preparation / last revision 03/14/2018 / 9
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation 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 DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• * Data compared to the previous version altered.

(Contd. of maga 8)