

## LOW VOC RUBBERIZED UNDERCOATING

### **IMPORTANT NOTE:**

For batch code number 808889 refer to SDS Version 7, pages 1 – 14.

For all other batch code numbers refer to pages 15-29.

Batch code numbers are found on the bottom of the can, printed below the part number.

SEM

Printing date 06/04/2018 Version number 7 Reviewed on 06/04/2018

1 Identification

- · Product identifier
- · Trade name: 40523 Low VOC Rubberized Undercoating
- · Article number: 40523
- · Application of the substance / the mixture Coating
- · 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

Only for information for doctors call (+31).30.2748888

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- · Label elements
- · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

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\_\_ HCA

Printing date 06/04/2018 Version number 7 Reviewed on 06/04/2018

Trade name: 40523 Low VOC Rubberized Undercoating

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#### · Hazard pictograms









#### · Signal word Danger

### · Hazard-determining components of labeling:

acetone

toluene

Solvent naphtha (petroleum), medium aliph.

#### · Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

#### · Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
D270	Do not get drink or smake when using this product

Do not eat, drink or smoke when using this product.

P271 *Use only outdoors or in a well-ventilated area.* 

Wear protective gloves/protective clothing/eye protection/face protection. P280

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+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a poison center/doctor if you feel unwell.

P321 Specific treatment (see on this label).

P314 Get medical advice/attention if you feel unwell.

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.

Store in a well-ventilated place. Keep container tightly closed. P403+P233

P405 Store locked up.

Protect from sunlight. Store in a well-ventilated place. P410+P403

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P410+P412

Dispose of contents/container in accordance with local/regional/national/international P501

regulations.

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(Contd. of page 2)

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 2Fire = 4Reactivity = 3

· HMIS-ratings (scale 0 - 4)



- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable. · vPvB: Not applicable.

### 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture: consisting of the following components.

Weight percentages

· Dangerous components:		
67-64-1	acetone	30-40%
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
1330-20-7	xylene	13-30%
	Talc	1.5-5%
108-88-3	toluene	1.5-5%
64742-88-7	Solvent naphtha (petroleum), medium aliph.	1.5-5%

## 4 First-aid measures

- · 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.
- · Information for doctor:
- · 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.

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## 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:

Dispose contaminated material as waste according to item 13.

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

67-64-1	acetone	200 ppm
1330-20-7	xylene	130 ppm
108-88-3	toluene	67 ppm
1333-86-4	Carbon black	9 mg/m³
112945-52-5	SILICA	18 mg/m
100-41-4	ethylbenzene	33 ppm
122-99-6	2-Phenoxyethanol	1.5 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
PAC-2:		
67-64-1	acetone	3200* ppn
1330-20-7	xylene	920* ppm
108-88-3	toluene	560 ppm
1333-86-4	Carbon black	99 mg/m³
112945-52-5	SILICA	100 mg/m
100-41-4	ethylbenzene	1100* ppr
122-99-6	2-Phenoxyethanol	16 ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
PAC-3:		,
67-64-1	acetone	5700* ppn
1330-20-7	xylene	2500* ppr
108-88-3	toluene	3700* ppr
1333-86-4	Carbon black	590 mg/m

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		(Contd. of page 4)
112945-52-5	SILICA	630 mg/m³
100-41-4	ethylbenzene	1800* ppm
122-99-6	2-Phenoxyethanol	97 ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm

## 7 Handling and storage

- · Handling:
- · Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- · 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:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

67-6	1-1 acetone
PEL	Long-term value: 2400 mg/m³, 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI
1330	-20-7 xylene
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
108-	88-3 toluene
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift

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REL Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm

TLV Long-term value: 75 mg/m<sup>3</sup>, 20 ppm

#### · Ingredients with biological limit values:

#### 67-64-1 acetone

#### BEI 50 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

#### 1330-20-7 xylene

#### BEI 1.5 g/g creatinine

Medium: urine Time: end of shift

Parameter: Methylhippuric acids

#### 108-88-3 toluene

#### BEI 0.02 mg/L

Medium: blood

Time: prior to last shift of workweek

Parameter: Toluene

0.03 mg/LMedium: urine Time: end of shift Parameter: Toluene

0.3 mg/g creatinine Medium: urine Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

- · 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.

Store protective clothing separately.

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:



Protective gloves

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

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· 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.

· Eye protection: Safety glasses



Tightly sealed goggles

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· Information on basic physical and chemical properties

 $\cdot \textit{General Information}$ 

· Appearance:

Form: Aerosol

Color: According to product specification

Odor: CharacteristicOdor threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:Undetermined.Boiling point/Boiling range:55.8-56.6 °C

· Flash point: -103 °C

· Flammability (solid, gaseous): Not applicable.

• Ignition temperature: 455 °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:
 1.2 Vol %

 Upper:
 16 Vol %

· Vapor pressure at 20 °C: 220 hPa

• **Density at 20 °C:** 0.80505 g/cm<sup>3</sup>

Relative density Not determined.Vapor density Not determined.

• Evaporation rate Not applicable.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

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(Contd. of page 7) · Partition coefficient (n-octanol/water): Not determined. · Viscosity: Dynamic: Not determined. Kinematic: Not determined. · Solvent content: Organic solvents: 71.0 % **VOC** content: 37.10 % 456.0 g/l / 3.81 lb/gal Solids content: 28.9 % · Other information No further relevant information available.

### 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:		
1330-20-	7 xyle	ne
Oral 1	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

- · 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 (Inte	· IARC (International Agency for Research on Cancer)		
1330-20-7	xylene	3	
	Talc	3	
108-88-3		3	
1333-86-4	Carbon black	2B	
100-41-4	ethylbenzene	2B	

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· 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.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

- · 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.

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· UN-Number	
· DOT, ADR, IMDG, IATA	UN1950

· UN proper shipping name

DOT

Aerosols, flammable

ADR

1950 Aerosols

IMDG

AEROSOLS

· IATA AEROSOLS, flammable

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USA

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(Contd. of page 9) · Transport hazard class(es)  $\cdot DOT$ · Class 2.1 · Label 2.1  $\cdot ADR$ · Class 2 5F Gases · Label · IMDG, IATA 2.1 · Class · Label 2.1 · Packing group · DOT, ADR, IMDG, IATA Void Not applicable. · Environmental hazards: Warning: Gases · Special precautions for user F-D,S-U· EMS Number: · Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: · Segregation Code Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2. · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. · Transport/Additional information:  $\cdot DOT$ · Quantity limitations On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg

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 $\cdot ADR$ Code: E0 · Excepted quantities (EQ) Not permitted as Excepted Quantity  $\cdot$  *IMDG* 1L· Limited quantities (LQ) · Excepted quantities (EQ)Code: E0 Not permitted as Excepted Quantity UN 1950 AEROSOLS, 2.1  $\cdot$  UN "Model Regulation":

## 15 Regulatory information

Section 355	(extremely hazardous substances):
None of the	ingredient is listed.
Section 313	3 (Specific toxic chemical listings):
1330-20-7	xylene
	Talc
108-88-3	toluene
100-41-4	ethylbenzene
122-99-6	2-Phenoxyethanol
104-68-7	Diethylene glycol monophenyl ether
TSCA (Tox	ic Substances Control Act):
67-64-1	acetone
1330-20-7	xylene
	Alicyclic hydrocarbon resin
9017-27-0	Alpha-methyl styrene/vinyl toluene copolymer
66070-58-4	Styrene-Ethylene/Butylene-Styrene block Copolymer
	Talc
1317-65-3	GROUND CALCIUM CARBONATE
108-88-3	toluene
	Solvent naphtha (petroleum), medium aliph.
1333-86-4	Carbon black
	White mineral oil, petroleum
	Tertrakis(methylene(3,5-di(tert)-butyl-4-hydroxyhydrocinnamate) ) methane
	ethylbenzene
	2-Phenoxyethanol
	OXIRANE, ME, POLYMER
	4,6-dimethylheptan-2-one
108 83 8	2,6-dimethylheptan-4-one

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(Contd. of page 11) 84633-54-5 Pentaerythritol tris tri ester with 3-(3,5-di-(tert)-butyl-4-hydroxyphenyl)propionic acid · TSCA new (21st Century Act) (Substances not listed) 68476-86-8 Petroleum gases, liquefied, sweetened Talc· Proposition 65 · Chemicals known to cause cancer: 1330-20-7 xylene 1333-86-4 Carbon black 100-41-4 ethylbenzene · Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. · Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed. · Chemicals known to cause developmental toxicity: 108-88-3 toluene · Cancerogenity categories · EPA (Environmental Protection Agency) 67-64-1 acetone 1330-20-7 xylene I 108-88-3 toluene II100-41-4 ethylbenzene D· TLV (Threshold Limit Value established by ACGIH) 67-64-1 acetone A41330-20-7 xylene A4A4Talc 108-88-3 toluene A41333-86-4 Carbon black A4100-41-4 ethylbenzene *A3* · NIOSH-Ca (National Institute for Occupational Safety and Health) 1333-86-4 Carbon black

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









GHS02

GHS04

GHS07

· Signal word Danger

· Hazard-determining components of labeling:

acetone

toluene

Solvent naphtha (petroleum), medium aliph.

(Contd. on page 13)

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Printing date 06/04/2018 Version number 7 Reviewed on 06/04/2018

Trade name: 40523 Low VOC Rubberized Undercoating

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#### · Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eve irritation.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

#### · Precautionary statements

1 recumionary b	statements
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	If on skin: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a poison center/doctor if you feel unwell.

*P321* Specific treatment (see on this label).

*P314 Get medical advice/attention if you feel unwell.* 

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.

*P403+P233* Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with local/regional/national/international

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

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 06/04/2018 / 6
- · Abbreviations and acronyms:

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

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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

BEI: Biological Exposure Limit

Flam. Aerosol 1: Aerosols - Category 1

Press. Gas: Gases under pressure – Compressed gas Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

\* \* Data compared to the previous version altered.

USA

## **IMPORTANT NOTE:**

The following pages contain the SDS for batch code numbers prior to 808889.

Batch code numbers are found on the bottom of the can, printed below the part number.



Printing date 06/28/2017 Reviewed on 06/20/2017

## 1 Identification

- · Product identifier
- · Trade name: 40523 Low VOC Rubberized Undercoating
- · Article number: 40523
- · Application of the substance / the mixture Coating
- · 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





GHS02 GHS04 Flame, Gas cylinder

Extremely flammable aerosol. Flam. Aerosol 1 H222



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.



#### GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

- · Label elements
- · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2)



Trade name: 40523 Low VOC Rubberized Undercoating

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#### · Hazard pictograms

Printing date 06/28/2017









GHS04

GHS07

#### · Signal word Danger

### · Hazard-determining components of labeling:

toluene

methyl acetate

4-chloro-alpha, alpha, alpha-trifluorotoluene

acetone

#### · Hazard statements

Extremely flammable aerosol. H222

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Suspected of damaging fertility or the unborn child. H361

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

#### · Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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

P264 Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area. P271

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Protect from sunlight. Store in a well-ventilated place. P410+P403

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

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- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 1 Fire = 4Reactivity = 3

· HMIS-ratings (scale 0 - 4)



- · Other hazards
- · Results of PBT and vPvB assessment
- $\cdot$  **PBT:** Not applicable.
- · vPvB: Not applicable.

### 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture: consisting of the following components.

Weight percentages

0	· Dangerous components:				
68476-86-8	8476-86-8 Petroleum gases, liquefied, sweetened				
108-88-3	toluene	13 - 30%			
79-20-9	methyl acetate	10 -13%			
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	7 - 10%			
67-64-1	acetone	7 - 10%			
7727-43-7	barium sulphate, natural	7 - 10%			
14807-96-6	Talc	5 - 7%			
68911-87-5	montmorilontie clay complex	1.5 - 5%			

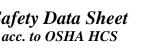
### 4 First-aid measures

- · 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.
- · Information for doctor:
- · 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.

USA



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### 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:

Dispose contaminated material as waste according to item 13.

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:		
108-88-3	toluene	67 ppm
79-20-9	methyl acetate	250 ppm
67-64-1	acetone	200 ppm
7727-43-7	barium sulphate, natural	15 mg/m
112945-52-5	SILICA	18 mg/m
1333-86-4	Carbon black	9 mg/m3
67-56-1	methanol	530 ppm
PAC-2:		
108-88-3	toluene	560 ppm
79-20-9	methyl acetate	1,700 ppr
67-64-1	acetone	3200* pp
7727-43-7	barium sulphate, natural	170 mg/n
112945-52-5	SILICA	100 mg/m
1333-86-4	Carbon black	99 mg/m3
67-56-1	methanol	2,100 ppr
PAC-3:		•
108-88-3	toluene	3700* ppn
79-20-9	methyl acetate	10000* pp
67-64-1	acetone	5700* ppn
7727-43-7	barium sulphate, natural	990 mg/m3
112945-52-5	SILICA	630 mg/m3
1333-86-4	Carbon black	590 mg/m3



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 67-56-1 methanol
 7200\* ppm

### 7 Handling and storage

- · Handling:
- · Precautions for safe handling No special measures required.
- · Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- · 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:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

88-3 toluene
Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
Long-term value: 75 mg/m³, 20 ppm BEI
0-9 methyl acetate
Long-term value: 610 mg/m³, 200 ppm
Short-term value: 760 mg/m³, 250 ppm Long-term value: 610 mg/m³, 200 ppm
Short-term value: 757 mg/m³, 250 ppm Long-term value: 606 mg/m³, 200 ppm
1-1 acetone
Long-term value: 2400 mg/m³, 1000 ppm
Long-term value: 590 mg/m³, 250 ppm

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TLV Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm

BEI

### 7727-43-7 barium sulphate, natural

PEL Long-term value: 15\* 5\*\* mg/m³
\*total dust \*\*respirable fraction

REL Long-term value: 10\* 5\*\* mg/m³
\*total dust \*\*respirable fraction

TLV Long-term value: 5\* mg/m³

#### · Ingredients with biological limit values:

\*inhalable fraction; E

#### 108-88-3 toluene

## BEI 0.02 mg/L

Medium: blood

Time: prior to last shift of workweek

Parameter: Toluene

0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene

0.3 mg/g creatinine Medium: urine Time: end of shift

Parameter: o-Cresol with hydrolysis (background)

#### 67-64-1 acetone

#### BEI 50 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

- · 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.

Store protective clothing separately.

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:



Protective gloves

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

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· 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.

· Eye protection: Safety glasses



Tightly sealed goggles

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	· Information	on	basic	physical	and	chen

Information on basic physical and chemical properties				
· General Information				
· Appearance: Form:	Aerosol			
rorm: Color:				
· Odor:	According to product specification Characteristic			
· Odor: · Odor threshold:	Not determined.			
· pH-value:	Not determined.			
· Change in condition				
Melting point/Melting range:	Undetermined.			
Boiling point/Boiling range:	55 °C			
· Flash point:	-103 °C			
· Flammability (solid, gaseous):	Not applicable.			
· Ignition temperature:	455 °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:	1.2 Vol %			
Upper:	16.0 Vol %			
· Vapor pressure at 20 °C:	220 hPa			
· Density at 20 °C:	1.04516 g/cm³			
· Relative density	Not determined.			
· Vapor density	Not determined.			
· Evaporation rate	Not applicable.			
· Solubility in / Miscibility with				
Water:	Not miscible or difficult to mix.			

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	(Contd. of p	page
· Partition coefficient (n-octano	ol/water): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	67.1 %	
VOC content:	39.0 %	
	584.3 g/l / 4.88 lb/gl	
Solids content:	33.5 %	
· Other information	No further relevant information available.	

## 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	· LD/LC50 values that are relevant for classification:					
108-88-3 t	108-88-3 toluene					
Oral	LD50	5000 mg/kg (rat)				
Dermal	LD50	12124 mg/kg (rabbit)				
Inhalative	Inhalative LC50/4 h 5320 mg/l (mouse)					

- · 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)			
108-88-3 toluene	3		
14807-96-6 Talc	3		
1333-86-4 Carbon black	2 <i>B</i>		

#### · NTP (National Toxicology Program)

None of the ingredients is listed.

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· OSHA-Ca (Occupational Safety & Health Administration)

68911-87-5 montmorilontie clay complex

## 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.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

- · 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.

ranspor		

· UN-Number	
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· DOT, ADR, IMDG, IATA UN1950

· UN proper shipping name

DOT Aerosols, flammable
ADR 1950 Aerosols
IMDG AEROSOLS

· IATA AEROSOLS, flammable

- · Transport hazard class(es)
- $\cdot DOT$



· Class 2.1

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Label	2.1
ADR	
Class Label	2 5F Gases 2.1
IMDG, IATA	
Class Label	2.1 2.1
Packing group DOT, ADR, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user EMS Number: Stowage Code  Segregation Code	Warning: Gases F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litr Category A. For AEROSOLS with a capacity above 1 litr Category B. For WASTE AEROSOLS: Category C, Clear of livin quarters. SG69 For AEROSOLS with a maximum capacity of 1 litr Segregation as for class 9. Stow "separated from" class 1 except f division 1.4. For AEROSOLS with a capacity above 1 litr Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	<b>II of</b> Not applicable.
Transport/Additional information: DOT Quantity limitations	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
ADR Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
IMDG Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity

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· UN "Model Regulation": UN 1950 AEROSOLS, 2.1

## 15 Regulatory information · Safety, health and environmental regulations/legislation specific for the substance or mixture · Section 355 (extremely hazardous substances): None of the ingredient is listed. · Section 313 (Specific toxic chemical listings): 108-88-3 toluene 7727-43-7 barium sulphate, natural 14807-96-6 Talc 67-56-1 methanol · TSCA (Toxic Substances Control Act): 108-88-3 toluene 79-20-9 methyl acetate 98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene 67-64-1 acetone 7727-43-7 barium sulphate, natural 14807-96-6 Talc 69430-35-9 Alicyclic hydrocarbon resin 9017-27-0 Alpha-methyl styrene/vinyl toluene copolymer 66070-58-4 Styrene-Ethylene/Butylene-Styrene block Copolymer 68911-87-5 montmorilontie clay complex 1333-86-4 Carbon black 67-56-1 methanol 8042-47-5 White Mineral oil 6683-19-8 Tertrakis(methylene(3,5-di(tert)-butyl-4-hydroxyhydrocinnamate)) methane 84633-54-5 Pentaerythritol tris tri ester with 3-(3,5-di-(tert)-butyl-4-hydroxyphenyl)propionic acid 7732-18-5 water · Proposition 65

	Chom	icale	known	to	cause	cancer:
•	Cnem	icuis	KNOWN	w	cause	cancer:

1333-86-4 Carbon black

#### · Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

#### · Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

#### · Chemicals known to cause developmental toxicity:

108-88-3	toluene
67-56-1	methanol

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· Canceroge	nity categories	
· EPA (Envi	ronmental Protection Agency)	
108-88-3	3 toluene II	
67-64-1	acetone	I
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
· TLV (Thres	shold Limit Value established by ACGIH)	·
108-88-3	toluene	A4
67-64-1	acetone	A4
14807-96-6	Talc	A4
1333-86-4	Carbon black	A4
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
1333-86-4	Carbon black	
67-56-1	methanol	

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









GHS02

GHS04

GHS07 GHS08

- · Signal word Danger
- · Hazard-determining components of labeling:

toluene

methyl acetate

4-chloro-alpha, alpha, alpha-trifluorotoluene

acetone

#### · Hazard statements

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Suspected of damaging fertility or the unborn child. H361

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure. H373

H304 May be fatal if swallowed and enters airways.

#### · Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe 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.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

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P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. P362+P364 Store in a well-ventilated place. Keep container tightly closed. P403+P233

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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: Steve Gaver (sgaver@semproducts.com)
- · Date of preparation / last revision 06/28/2017 / 5
- · Abbreviations and acronyms:

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

BEI: Biological Exposure Limit

Flam. Aerosol 1: Aerosols - Category 1

Press. Gas: Gases under pressure - Compressed gas

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

Repr. 2: Reproductive toxicity – Category 2

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

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

\* Data compared to the previous version altered.