



# LOW VOC RUBBERIZED UNDERCOATING

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**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.

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# Safety Data Sheet

according to HPR, Schedule 1



Printing date 06/04/2018

Version number 7

Revision: 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
- **Further information obtainable from:**  
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:**  
Only for information for doctors call (+31).30.2748888

## 2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Aerosols - Category 1

H222-H229 *Extremely flammable aerosol.*  
*Pressurized container: may burst if heated.*



GHS04 Gas cylinder

Gases Under Pressure - Compressed Gas

H280

*Contains gas under pressure; may explode if heated.*



GHS08 Health hazard

Reproductive Toxicity - Category 2

H361

*Suspected of damaging fertility or the unborn child.*

Specific Target Organ Toxicity - Repeated Exposure -  
Category 1

H372

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



GHS07

Skin Irritation - Category 2

H315

*Causes skin irritation.*

Eye Irritation - Category 2A

H319

*Causes serious eye irritation.*

Specific Target Organ Toxicity - Single Exposure -  
Category 3

H336

*May cause drowsiness or dizziness.*

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Trade name: 40523 Low VOC Rubberized Undercoating

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· **Label elements**

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS02 GHS04 GHS07 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

acetone

toluene

Solvent naphtha (petroleum), medium aliph.

· **Hazard statements**

H222-H229 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, hot surfaces, sparks, open flames and other ignition sources. 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/vapours/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.

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.

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.

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**Trade name: 40523 Low VOC Rubberized Undercoating**

P501

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

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## 3 Composition/Information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:**

Mixture: consisting of the following components.

Weight Percent listed

· **Dangerous components:**

67-64-1	acetone	15-40% w/w *
68476-86-8	Petroleum gases, liquefied, sweetened	10-30% w/w *
1330-20-7	xylene	10-30% w/w *
	Talc	1-5% w/w *
108-88-3	toluene	1-5% w/w *
64742-88-7	Solvent naphtha (petroleum), medium aliph.	1-5% w/w *

## 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.

## 5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, 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.

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# Safety Data Sheet

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**Trade name: 40523 Low VOC Rubberized Undercoating**

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- **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.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:**  
Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Pressurised 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 pressurised containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/ Personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

### · **Ingredients with limit values that require monitoring at the workplace:**

#### 67-64-1 acetone

EL	Short-term value: 500 ppm Long-term value: 250 ppm
EV	Short-term value: 750 ppm Long-term value: 500 ppm

#### 1330-20-7 xylene

EL	Short-term value: 150 ppm Long-term value: 100 ppm
EV	Short-term value: 650 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm

#### 108-88-3 toluene

EL	Long-term value: 20 ppm
R	
EV	Long-term value: 20 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.

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**Trade name: 40523 Low VOC Rubberized Undercoating**

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*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.*

· **Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

· **Protection of hands:**



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 through 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

\*

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Aerosol

**Colour:** According to product specification

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** 55.8-56.6 °C

· **Flash point:** -103 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 455 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

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· <b>Explosive properties:</b>	In use, may form flammable/explosive vapour-air mixture.
· <b>Explosion limits:</b>	
Lower:	1.2 Vol %
Upper:	16 Vol %
· <b>Vapour pressure at 20 °C:</b>	220 hPa
· <b>Density at 20 °C:</b>	0.80505 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	71.0 %
Solids content:	28.9 %
· <b>Other information</b>	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**

· <b>LD/LC50 values relevant for classification:</b>			
1330-20-7 xylene			
Oral	LD50	4,300 mg/kg (rat)	
Dermal	LD50	2,000 mg/kg (rabbit)	

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.

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- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
Reproductive Toxicity - Category 2

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour 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 together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |                                  |                     |
|----------------------------------|---------------------|
| · <b>UN-Number</b>               | UN1950              |
| · <b>TDG, IMDG, IATA</b>         |                     |
| · <b>UN proper shipping name</b> | 1950 AEROSOLS       |
| · <b>TDG</b>                     | AEROSOLS            |
| · <b>IMDG</b>                    | AEROSOLS            |
| · <b>IATA</b>                    | AEROSOLS, flammable |

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**Trade name: 40523 Low VOC Rubberized Undercoating**

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· **Transport hazard class(es)**

· **TDG (Transport dangerous goods):**



· **Class** 2 5F Gases.  
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1  
 · **Label** 2.1

· **Packing group**  
 · **TDG, IMDG, IATA** Void

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Gases.  
 · **EMS Number:** F-D,S-U  
 · **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.  
 · **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre:  
 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 Marpol  
 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **TDG**  
 · **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity  
 · **Transport category** 2  
 · **Tunnel restriction code** D

· **IMDG**  
 · **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E0  
 Not permitted as Excepted Quantity

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Trade name: 40523 Low VOC Rubberized Undercoating

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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**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02 GHS04 GHS07 GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labelling:**

*acetone**toluene**Solvent naphtha (petroleum), medium aliph.*

- **Hazard statements**

*H222-H229 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, hot surfaces, sparks, open flames and other ignition sources. 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/vapours/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.**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.**P403+P233 Store in a well-ventilated place. Keep container tightly closed.*

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# Safety Data Sheet

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Printing date 06/04/2018

Version number 7

Revision: 06/04/2018

**Trade name: 40523 Low VOC Rubberized Undercoating**

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- 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:** Environmental Protection Department
- **Contact:** Rita Joiner (rjoiner@semproducts.com)
- **Date of the latest revision of the safety data sheet** 06/04/2018 / 6
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - 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)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
- **\* Data compared to the previous version altered.**

CA

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**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.

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## 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 identification

- **Classification of the substance or mixture**



GHS02 GHS04 Flame, Gas cylinder

Flammable Aerosols - Category 1

H222

Extremely flammable aerosol.



GHS04 Gas cylinder

Gases Under Pressure - Compressed Gas

H280

Contains gas under pressure; may explode if heated.



GHS08 Health hazard

Reproductive Toxicity - Category 2

H361

Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Repeated Exposure - Category 2

H373

May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard - Category 1

H304

May be fatal if swallowed and enters airways.



GHS07

Skin Irritation - Category 2

H315

Causes skin irritation.

Eye Irritation - Category 2A

H319

Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure - Category 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).

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# Safety Data Sheet

according to HPR, Schedule 1



Printing date 06/20/2017

Reviewed on 06/20/2017

Trade name: 40523 Low VOC Rubberized Undercoating

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## · 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.  
H361 Suspected of damaging fertility or the unborn child.  
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, hot surfaces, sparks, open flames and other ignition sources. 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/vapours/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.  
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.  
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.

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**Trade name: 40523 Low VOC Rubberized Undercoating**

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· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



**3 Composition/Information on ingredients**

· **Chemical characterization: Mixtures**

· **Description:**

Mixture: consisting of the following components.  
Weight percentages

· **Dangerous components:**

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

**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.

**5 Firefighting measures**

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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**Trade name: 40523 Low VOC Rubberized Undercoating**

(Contd. of page 3)

- **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.

## 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:**

**108-88-3 toluene**

EL Long-term value: 20 ppm  
R

EV Long-term value: 20 ppm

**79-20-9 methyl acetate**

EL Short-term value: 250 ppm  
Long-term value: 200 ppm

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EV	Short-term value: 755 mg/m <sup>3</sup> , 250 ppm Long-term value: 605 mg/m <sup>3</sup> , 200 ppm
<b>67-64-1 acetone</b>	
EL	Short-term value: 500 ppm Long-term value: 250 ppm
EV	Short-term value: 750 ppm Long-term value: 500 ppm
<b>7727-43-7 barium sulphate, natural</b>	
EL	Long-term value: 10* 3** mg/m <sup>3</sup> *total dust, **respirable fraction
EV	Long-term value: 10 mg/m <sup>3</sup> total dust

· **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.

· **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 through 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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## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Aerosol
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:	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/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.

· Partition coefficient (n-octanol/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/gal

Solids content: 33.5 %

· Other information: No further relevant information available.

## 10 Stability and reactivity

· Reactivity: No further relevant information available.

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- **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:

##### 108-88-3 toluene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
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	2B

#### · NTP (National Toxicology Program)

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.

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· **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

- **UN-Number**
- **DOT, TDG, IMDG, IATA** UN1950
- **UN proper shipping name**
- **DOT** Aerosols, flammable
- **TDG** 1950 Aerosols
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

- **Transport hazard class(es)**

- **DOT**



- **Class** 2.1
- **Label** 2.1
- **TDG (Transport dangerous goods):**



- **Class** 2 5F Gases
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2.1
- **Label** 2.1

- **Packing group**
- **DOT, TDG, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

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<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Code</b></li> </ul>	Warning: Gases F-D,S-U 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.
<ul style="list-style-type: none"> <li>· <b>Segregation Code</b></li> </ul>	SG69 For AEROSOLS with a maximum capacity of 1 litre: 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.
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> <li>· <b>DOT</b></li> <li>· <b>Quantity limitations</b></li> </ul>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
<ul style="list-style-type: none"> <li>· <b>TDG</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	Code: E0 Not permitted as Excepted Quantity
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> </ul>	1L Code: E0 Not permitted as Excepted Quantity
<ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>	UN 1950 AEROSOLS, 2.1

## 15 Regulatory information

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

### · 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

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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

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

68476-86-8	Petroleum gases, liquefied, sweetened
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
112945-52-5	SILICA
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
7732-18-5	water

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

108-88-3	toluene
79-20-9	methyl acetate
67-64-1	acetone

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

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**· 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.*  
H361      *Suspected of damaging fertility or the unborn child.*  
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, hot surfaces, sparks, open flames and other ignition sources. 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/vapours/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.*  
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.*  
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.*

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· **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** 06/20/2017 / 4

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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

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

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