

Printing date 02/22/2016

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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*(*s*) *identification*

	GHS0.	2 GHS04 Flame, Gas cylinder
Flam. Aerosol	1 H222	Extremely flammable aerosol.
G H	S04 Gas cylii	nder
Press. Gas	H280	Contains gas under pressure; may explode if heated.
С Сн	S08 Health h	azard
Carc. 2	H351	Suspected of causing cancer.
Repr. 2 STOT RE 2	H361	Suspected of damaging fertility or the unborn child.
MOT KEZ	H373 H304	May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.
	11504	May be jalai ij swallowed and enters all ways.
Asp. Tox. 1		
Asp. Tox. 1	S07	
Asp. Tox. 1	S07	
Asp. Tox. 1	S07 H315	Causes skin irritation.
Asp. Tox. 1		Causes skin irritation. Causes serious eye irritation.

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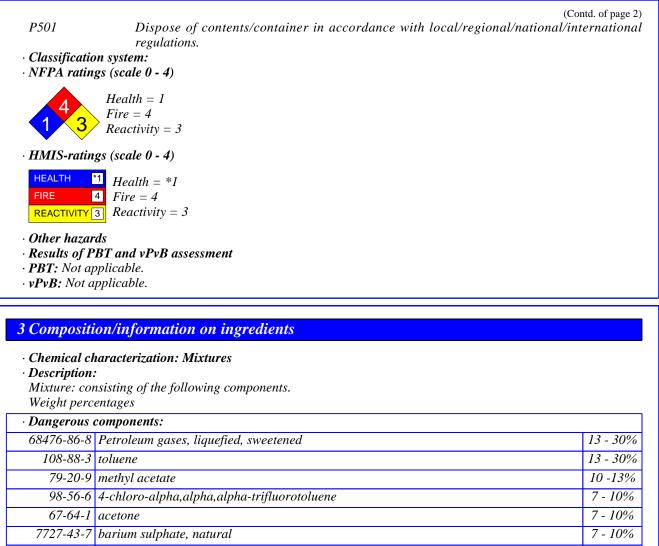
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Hazard pic	(Contd. of page
she.	
GHS02	GHS04 GHS07 GHS08
Signal wor	d Danger
Hazard-de	termining components of labeling:
toluene	
Talc	
methyl ace	tate
•	lpha,alpha,alpha-trifluorotoluene
Hazard sta	
H222	Extremely flammable aerosol.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H335-H33	6 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.
Precaution	ary statements
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P211	Do not spray on an open flame or other ignition source.
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P301+P31	
P305+P35	1+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if preserved
	and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P304+P34	0 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P31	1
P332+P31	
P337+P31	
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P302+P35	1 2 3
P362+P36	
P405	Store locked up.
P410+P40	J 0 1
P410+P41	
P403+P23	3 Store in a well-ventilated place. Keep container tightly closed.

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004/0-00-0	Feiroieum gases, iiquejiea, sweeienea	15 - 50%
108-88-3	toluene	13 - 30%
	methyl acetate	10 -13%
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	7 - 10%
	acetone	7 - 10%
7727-43-7	barium sulphate, natural	7 - 10%
14807-96-6	Talc	5 - 7%
68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE	1.5 - 5%
1333-86-4	Carbon black	<i>≤1%</i>

4 First-aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- 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.

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· 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
- During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- 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.
- Ensure good ventilation/exhaustion at the workplace. *Open and handle receptacle with care.*
- · 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.
- Keep respiratory protective device available.

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.

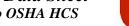
• Information about storage in one common storage facility: Not required.

• Further information about storage conditions: Keep receptacle tightly sealed.

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

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Addi	tional information about design of technical systems: No further data; see item 7.
Cont	trol parameters
Com	ponents with limit values that require monitoring at the workplace:
108-8	88-3 toluene
PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm
TLV	Long-term value: 75 mg/m³, 20 ppm BEI
79-2	0-9 methyl acetate
PEL	Long-term value: 610 mg/m ³ , 200 ppm
REL	Short-term value: 760 mg/m³, 250 ppm Long-term value: 610 mg/m³, 200 ppm
TLV	Short-term value: 757 mg/m³, 250 ppm Long-term value: 606 mg/m³, 200 ppm
67-64	4-1 acetone
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
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/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 5* mg/m³ *inhalable fraction; E
67-5	6-1 methanol
PEL	Long-term value: 260 mg/m ³ , 200 ppm
REL	Short-term value: 325 mg/m³, 250 ppm Long-term value: 260 mg/m³, 200 ppm Skin
TLV	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm Skin; BEI

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Trees	(Contd. of page :
-	edients with biological limit values: 88-3 toluene
BEI	0.02 mg/L Madiumu blaad
	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)
67-6	4-1 acetone
BEI	50 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Acetone (nonspecific)
	6-1 methanol
BEI	15 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Methanol (background, nonspecific)
Add	itional information: The lists that were valid during the creation were used as basis.
Exp	osure controls
Pers	onal protective equipment:
Gen	eral protective and hygienic measures:
Keep	p away from foodstuffs, beverages and feed.
Imm	ediately remove all soiled and contaminated clothing.
Was	h hands before breaks and at the end of work.
Stor	e protective clothing separately.
Avoi	d contact with the eyes and skin.
· Brec	thing equipment:
In co	use of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure u
resp	iratory protective device that is independent of circulating air.
· Prot	ection of hands:
6.	Protective gloves
	glove material has to be impermeable and resistant to the product/ the substance/ the preparation. e rial of gloves
	selection of the suitable gloves does not only depend on the material, but also on further marks of quality an

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. (Contd. on page 7)

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\cdot 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

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 ³
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/wat	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

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		(Contd. of page
• Solvent content: Organic solvents: VOC content:	67.1 % 39.0 % 584.3 g/l / 4.88 lb/gl	
Solids content: • Other information	33.5 % 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:

108-88-3 toluene			
Oral	LD50	5000 mg/kg (rat)	
Dermal	LD50	5000 mg/kg (rat) 12124 mg/kg (rabbit)	
Inhalative	LC50/4 h	5320 mg/l (mouse)	

· Primary irritant effect:

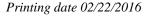
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

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

· Carcinogenic categories

· IARC (Inter	national Agency for Research on Cancer)	
108-88-3	toluene	3
14807-96-6	Talc	28
1333-86-4	Carbon black	28
· NTP (Natio	nal Toxicology Program)	
None of the	ingredients is listed.	
· OSHA-Ca (Occupational Safety & Health Administration)	
68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE	
	·	USA

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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.

UN-Number		
DOT, ADR, IMDG, IATA	UN1950	
UN proper shipping name		
DOT, IATA	Aerosols, flammable	
ADR	1950 Aerosols	
IMDG	AEROSOLS	
Transport hazard class(es) DOT		
паммат са		
Class	2.1	
Label	2.1	



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ADR		
Class	2 5F Gases	
Label	2.1	
IMDG, IATA		
Class Label	2.1 2.1	
	2.1	
Packing group DOT, ADR, 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.	
Segregation Code	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 livin quarters. 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. Fo WASTE AEROSOLS: Segregation as for the appropriate subdivisio of class 2.	
Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	If of 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)	1L	
Excepted quantities (EQ)	Code: E0	
· ~	Not permitted as Excepted Quantity	



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· UN ''Model Regulation'':

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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): 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 ALKYL QUATERNARY AMMONIUM MONTMORILLONITE 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 · Proposition 65

· Chemicals known to cause cancer:

1333-86-4 Carbon black

· Chemicals known to cause reproductive toxicity for females:

108-88-3 toluene

 \cdot 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	(Contd. of page 1)
8	ronmental Protection Agency)	
108-88-3	toluene	II
67-64-1	acetone	Ι
7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
· TLV (Thre	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*



· Signal word Danger

Signal work	* Dunger	
· Hazard-det toluene	ermining components of labeling:	
Talc		
methyl acet	ata	
•		
· Hazard sta	pha,alpha,alpha-trifluorotoluene	
+ Hazara sia H222		
H222 H280	Extremely flammable aerosol.	
н280 Н315	Contains gas under pressure; may explode if heated. Causes skin irritation.	
H319	Causes serious eye irritation.	
H351	Suspected of causing cancer.	
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		
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P251	Do not pierce or burn, even after use.	
P260	Do not breathe dust/fume/gas/mist/vapors/spray.	
P211	Do not spray on an open flame or other ignition source.	
P280	Wear protective gloves.	
P280	Wear eye protection / face protection.	
P264	Wash thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P201	Obtain special instructions before use.	
P202	Do not handle until all safety precautions have been read and understood.	
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P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
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.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.
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.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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 02/22/2016 / 1
- · 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: Flammable aerosols, Hazard Category 1
- Press. Gas: Gases under pressure: Compressed gas
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
- Carc. 2: Carcinogenicity, Hazard Category 2
- Repr. 2: Reproductive toxicity, Hazard Category 2

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STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2 Asp. Tox. 1: Aspiration hazard, Hazard Category 1 • * Data compared to the previous version altered.

USA –