Printing date 04/01/2015 Reviewed on 04/01/2015

#### 1 Identification

- · Product identifier
- · Trade name: 42003 42043High Build Primers
- · Article number: 42003, 42013, 42023, 42033, 42043
- $\cdot$  Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- · 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

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



#### GHS08 Health hazard

Carc. 1A H350 May cause cancer.

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

STOT SE 2 H371-H336 May cause damage to organs. May cause drowsiness or dizziness.

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



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- · Label elements
- · 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

(Contd. on page 2)



Trade name: 42003 - 42043High Build Primers

(Contd. of page 1)

#### · Hazard-determining components of labeling:

Quartz (SiO2)

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toluene

acetone

titanium dioxide

#### · Hazard statements

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350May cause cancer.

Suspected of damaging fertility or the unborn child. H361

H371-H336 May cause damage to organs. May cause drowsiness or dizziness.

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

#### · Precautionary statements

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

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe dust/fume/gas/mist/vapors/spray. Do not spray on an open flame or other ignition source. P211

P305+P351+P338 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).

P405 Store locked up.

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.

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



Health = 1Fire = 4Reactivity = 3

· HMIS-ratings (scale 0 - 4)



Health = \*1Fire = 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:

68476-86-8 Petroleum gases, liquefied, sweetened

13 - 30%

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		(Contd. of page 2)
	acetone	13 - 30%
14808-60-7	Quartz (SiO2)	13 - 30%
1330-20-7	xylene	10 -13%
110-19-0	isobutyl acetate	10 -13%
108-88-3	toluene	1.5 - 5%
	n-butyl acetate	1.5 - 5%
13463-67-7	titanium dioxide	1.5 - 5%
78-93-3	butanone	1.5 - 5%
14807-96-6	Talc	≤1%

### 4 First-aid measures

- · Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- · 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.
- $\cdot \textit{Indication of any immediate medical attention and special treatment needed}$

No further relevant information available.

### 5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

#### 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.

Do not flush with water or aqueous cleansing agents

· 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.

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#### 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.

Protect against electrostatic charges.

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:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- Information about storage in one common storage facility: Store away from oxidizing agents.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Do not gas tight seal receptacle.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

 $\cdot$  *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

Comp	onents with limit values that require monitoring at the workplace:
<i>67-6</i> 4	l-1 acetone
PEL	Long-term value: 2400 mg/m³, 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
	Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm Long-term value: (1188) NIC-594 mg/m³, (500) NIC-250 ppm BEI
1480	8-60-7 Quartz (SiO2)
PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *as respirable fraction
1330	20-7 xylene
PEL	Long-term value: 435 mg/m³, 100 ppm

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		(Contd. of pag
	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	
	19-0 isobutyl acetate	
	Long-term value: 700 mg/m³, 150 ppm	
REL	Long-term value: 700 mg/m³, 150 ppm	
TLV	Long-term value: 713 mg/m³, 150 ppm	
108-8	88-3 toluene	
PEL	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	
TLV	Long-term value: 75 mg/m³, 20 ppm	
122 (	BEI	
	86-4 n-butyl acetate	
	Long-term value: 710 mg/m³, 150 ppm	
	Short-term value: 950 mg/m³, 200 ppm	
	Long-term value: 710 mg/m³, 150 ppm	
ILV	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm	
<b>78-9</b> 3	3-3 butanone	
PEL	Long-term value: 590 mg/m³, 200 ppm	
	Short-term value: 885 mg/m³, 300 ppm	
	Long-term value: 590 mg/m³, 200 ppm	
	Short-term value: 885 mg/m³, 300 ppm	
	Long-term value: 590 mg/m³, 200 ppm	
	BEI	
Ingre	edients with biological limit values:	
67-64	1-1 acetone	
BEI .	50 mg/L	
	Medium: urine	
	Time: end of shift	
	Parameter: Acetone (nonspecific)	
	-20-7 xylene	
	1.5 g/g creatinine	
	Medium: urine	
	Time: end of shift Parameter: Methylhippuric acids	
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#### 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)

#### 78-93-3 butanone

#### BEI 2 mg/L

Medium: urine Time: end of shift Parameter: MEK

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

#### · Breathing equipment:

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

#### · Protection of hands:

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

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



Protective gloves

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

#### · Material of gloves

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

#### · Penetration time of glove material

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

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· Eye protection:



Tightly sealed goggles

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Information on basic physical and	chemical properties
General Information	
Appearance:	
Form:	Aerosol
Color:	According to product specification
Odor:	Characteristic
Odour 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:	405 °C
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture. Avoid high heat
Explosion limits:	
Lower:	1.1 Vol %
Upper:	13.0 Vol %
Vapor pressure at 20 °C:	233 hPa
Density at 20 °C:	$0.81978 \ g/cm^3$
Relative density	Not determined.
Vapour 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.
Solvent content:	
Organic solvents:	77.4 %

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	(Contd. of page 7
VOC content:	57.5 %
	593.9 g/l / 4.96 lb/gl
Solids content:	22.6 %
· Other information	No further relevant information available.

### 10 Stability and reactivity

- · Reactivity
- · 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:

Nitrogen oxides

Hydrocarbons

Carbon monoxide and carbon dioxide

### 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50	values that	t are relevant for classification:	
1330-20-7	1330-20-7 xylene		
Oral	LD50	4300 mg/kg (rat)	
Dermal	<i>LD50</i>	2000 mg/kg (rabbit)	
108-88-3 t	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: No irritant effect.
- · 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)	
	Quartz (SiO2)	1
1330-20-7	· ·	3
108-88-3	toluene	3
13463-67-7	titanium dioxide	2B
14807-96-6	Talc	2B

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		(Contd. of page 8)
7631-86-9	silicon dioxide, chemically prepared	3
1333-86-4	Carbon black	2B
111-76-2	2-butoxyethanol	3
100-41-4	ethylbenzene	2B
,	nal Toxicology Program)	
14808-60-7	Quartz (SiO2)	K
· OSHA-Ca (	Occupational Safety & Health Administration)	
68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE	

### 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:

Water hazard class 3 (Self-assessment): extremely hazardous for water

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		
$\cdot DOT$	Aerosols, flammable	
$\cdot ADR$	1950 Aerosols	
· IMDG	AEROSOLS	
$\cdot$ IATA	AEROSOLS, flammable	

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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 2.1 · IMDG, IATA 2.1 · Class · Label 2.1 · Packing group · DOT, ADR, IMDG, IATA Void · Environmental hazards: · Marine pollutant: No · Special precautions for user Warning: Gases · EMS Number: F-D,S-U· 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  $\cdot ADR$ · 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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13463-67-7 titanium dioxide 1333-86-4 Carbon black 100-41-4 ethylbenzene (Contd. of page 10)

· UN "Model Regulation": UN1950, 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): 1330-20-7 xylene ACRYLIC RESIN 108-88-3 toluene 78-93-3 butanone 14807-96-6 Talc 111-76-2 2-butoxyethanol 100-41-4 ethylbenzene 67-56-1 methanol · TSCA (Toxic Substances Control Act): 68476-86-8 Petroleum gases, liquefied, sweetened 67-64-1 acetone 14808-60-7 Quartz (SiO2) 1330-20-7 xylene 110-19-0 isobutyl acetate 108-88-3 toluene 123-86-4 n-butyl acetate 13463-67-7 titanium dioxide 78-93-3 butanone 14807-96-6 Talc 68911-87-5 ALKYL QUATERNARY AMMONIUM MONTMORILLONITE 16883-83-3 benzyl 3-isobutryloxy-1-isopropyl-2-2-dimethylpropyl phthalate 7631-86-9 silicon dioxide, chemically prepared 21645-51-2 aluminium hydroxide 51274-00-1 YELLOW IRON OXIDE · Proposition 65 · Chemicals known to cause cancer: 14808-60-7 Quartz (SiO2) 1330-20-7 xylene

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(Contd. of page 11) · Chemicals known to cause reproductive toxicity for females: 108-88-3 toluene · 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 · Cancerogenity categories · EPA (Environmental Protection Agency) 67-64-1 acetone 1330-20-7 xylene 108-88-3 toluene II 78-93-3 butanone Ι 111-76-2 2-butoxyethanol NLD100-41-4 ethylbenzene · TLV (Threshold Limit Value established by ACGIH) 67-64-1 acetone *A4* 14808-60-7 Quartz (SiO2) A21330-20-7 xylene *A4* 108-88-3 toluene A413463-67-7 titanium dioxide *A4* 14807-96-6 Talc *A4* 1333-86-4 Carbon black A4111-76-2 2-butoxyethanol *A3* 100-41-4 ethylbenzene *A3* · NIOSH-Ca (National Institute for Occupational Safety and Health) 14808-60-7 Quartz (SiO2) 13463-67-7 titanium dioxide 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

· Signal word Danger

· Hazard-determining components of labeling:

Quartz (SiO2) toluene acetone titanium dioxide

(Contd. on page 13)



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#### · Hazard statements

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H371-H336 May cause damage to organs. May cause drowsiness or dizziness.

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

#### · Precautionary statements

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

*P251 Pressurized container: 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.

P305+P351+P338 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).

P405 Store locked up.

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 04/01/2015 / 5
- · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

 ${\it IATA: International Air Transport Association}$ 

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

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

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

Carc. 1A: Carcinogenicity, Hazard Category 1A

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 2: Specific target organ toxicity - Single exposure, Hazard Category 2

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

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