Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 01/30/2013 Reviewed on 01/29/2013

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:** **39693 Self Etching Primer Green**

· **Article number:** 39693
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the preparation**
coating
aerosol metal primer

· **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:** 24 HR EMERGENCY CHEMTREC 1-800-424-9300

2 Hazards identification

· **Classification of the substance or mixture**

GHS02 Flame

Flam. Aerosol 1	H222	Extremely flammable aerosol.

GHS08 Health hazard

Muta. 1A	H340	May cause genetic defects.
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.

GHS07

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 labelled according to the Globally Harmonized System (GHS).
· **Hazard pictograms** GHS02, GHS07, GHS08
· **Signal word** Danger

· **Hazard-determining components of labelling:**
Petroleum gases, liquefied, sweetened
toluene
tris(methylphenyl) phosphate

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· **Hazard statements**

H222	Extremely flammable aerosol.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H340	May cause genetic defects.
H361	Suspected of damaging fertility or the unborn child.
H371-H336	May cause damage to organs. May cause drowsiness or dizziness.

· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P410+P412	Protect from sunlight. Do no 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 = 2
Fire = 4
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *2
Fire = 4
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

68476-86-8	Petroleum gases, liquefied, sweetened Flam. Gas 1, H220; Press. Gas, H280; Muta. 1A, H340	13 - 30%
67-64-1	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	13 - 30%
110-19-0	isobutyl acetate Flam. Liq. 2, H225	7 - 10%

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78-93-3	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	7 - 10%
108-88-3	toluene Flam. Liq. 2, H225; Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	7 - 10%
141-78-6	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	5 - 7%
	Resin NJTSRN 6784 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	
14808-60-7	Quartz (SiO2) STOT SE 2, H371; Eye Irrit. 2A, H319	1.5 - 5%
64742-94-5	Solvent naphtha (petroleum), heavy arom. Asp. Tox. 1, H304; H227	1.5 - 5%
123-86-4	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	1.5 - 5%
9004-70-0	CELLULOSE NITRATE Unst. Expl., H200; Acute Tox. 3, H301; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	1.5 - 5%
1330-20-7	xylene Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-1.5%
1330-78-5	tris(methylphenyl) phosphate STOT SE 1, H370	≤1%

4 First aid measures

· **Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Generally the product does not irritate the skin.
· **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:** 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:** No special measures required.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
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.

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.
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:**
Store in a cool location.
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.
Store in cool, dry conditions in well sealed receptacles.
· **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.

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· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
67-64-1 acetone	
PEL ()	2400 mg/m³, 1000 ppm
REL ()	590 mg/m³, 250 ppm
TLV ()	Short-term value: (1782) NIC-1187 mg/m³, (750) NIC-500 ppm Long-term value: (1188) NIC-475 mg/m³, (500) NIC-200 ppm BEI
110-19-0 isobutyl acetate	
PEL ()	700 mg/m³, 150 ppm
REL ()	700 mg/m³, 150 ppm
TLV ()	713 mg/m³, 150 ppm
78-93-3 butanone	
PEL ()	590 mg/m³, 200 ppm
REL ()	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm
TLV ()	Short-term value: 885 mg/m³, 300 ppm Long-term value: 590 mg/m³, 200 ppm BEI
108-88-3 toluene	
PEL ()	Short-term value: C 300; 500* ppm Long-term value: 200 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 ()	75 mg/m³, 20 ppm BEI
141-78-6 ethyl acetate	
PEL ()	1400 mg/m³, 400 ppm
REL ()	1400 mg/m³, 400 ppm
TLV ()	1440 mg/m³, 400 ppm
14808-60-7 Quartz (SiO2)	
PEL ()	see Quartz listing
REL ()	0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV ()	0.025* mg/m³ *as respirable fraction
123-86-4 n-butyl acetate	
PEL ()	710 mg/m³, 150 ppm
REL ()	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm
TLV ()	Short-term value: 950 mg/m³, 200 ppm Long-term value: 713 mg/m³, 150 ppm

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1330-20-7 xylene	
PEL ()	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

· **Ingredients with biological limit values:**

67-64-1 acetone	
BEI ()	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)

78-93-3 butanone	
BEI ()	2 mg/L Medium: urine Time: end of shift Parameter: MEK

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)

1330-20-7 xylene	
BEI ()	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

· **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.
Avoid contact with the eyes and skin.

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· **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.
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

· **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:**

Tightly sealed goggles

9 Physical and chemical properties

· **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:	*< -17 °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.*

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· **Explosion limits:**	
Lower:	1.9 Vol %
Upper:	13.0 Vol %
· **Vapor pressure at 20 °C:**	233 hPa
· **Density at 20 °C:**	0.78 g/cm³
· **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/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	85.9 %
VOC content:	41.0 %
	501.2 g/l / 4.18 lb/gl
Solids content:	14.1 %
· **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:** 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:** No irritant effect.
· **on the eye:** Irritating effect.
· **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
The product can cause inheritable damage.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
108-88-3	toluene	3
14808-60-7	Quartz (SiO2)	1
13463-67-7	titanium dioxide	2B
1330-20-7	xylene	3
67-63-0	propan-2-ol	3
14807-96-6	Talc	2B
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

· **NTP (National Toxicology Program)**		
14808-60-7	Quartz (SiO2)	K

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.

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· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **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**	

· **Class**	2.1
· **Label**	2.1
· **ADR**	

· **Class**	2 5F Gases
· **Label**	2.1
· **IMDG, IATA**	

· **Class**	2.1
· **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.

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· **UN "Model Regulation":** UN1950, 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):**

78-93-3	butanone
108-88-3	toluene
1330-20-7	xylene
67-63-0	propan-2-ol
14807-96-6	Talc
67-56-1	methanol
	ACRYLIC RESIN
100-41-4	ethylbenzene

· **TSCA (Toxic Substances Control Act):**

68476-86-8	Petroleum gases, liquefied, sweetened
67-64-1	acetone
110-19-0	isobutyl acetate
78-93-3	butanone
108-88-3	toluene
141-78-6	ethyl acetate
14808-60-7	Quartz (SiO2)
64742-94-5	Solvent naphtha (petroleum), heavy arom.
123-86-4	n-butyl acetate
9004-70-0	CELLULOSE NITRATE
13463-67-7	titanium dioxide
1330-20-7	xylene
1330-78-5	tris(methylphenyl) phosphate
67-63-0	propan-2-ol
14807-96-6	Talc

· **Proposition 65**

· **Chemicals known to cause cancer:**

14808-60-7	Quartz (SiO2)
1330-20-7	xylene
1333-86-4	Carbon black
100-41-4	ethylbenzene

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

108-88-3	toluene

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· **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	I
78-93-3	butanone	1
108-88-3	toluene	II
1330-20-7	xylene	I
111-76-2	2-butoxyethanol	CBD
100-41-4	ethylbenzene	D

· **TLV (Threshold Limit Value established by ACGIH)**

67-64-1	acetone	A4
108-88-3	toluene	A4
14808-60-7	Quartz (SiO2)	A2
13463-67-7	titanium dioxide	A4
1330-20-7	xylene	A4
67-63-0	propan-2-ol	A4
14807-96-6	Talc	A4
1333-86-4	Carbon black	A4
111-76-2	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
67-56-1	methanol
1333-86-4	Carbon black

· **OSHA-Ca (Occupational Safety & Health Administration)**

68911-87-5	ALKYL QUATERNARY AMMONIUM MONTMORILLONITE

· **GHS label elements** The product is classified and labelled according to the Globally Harmonized System (GHS).
· **Hazard pictograms** GHS02, GHS07, GHS08
· **Signal word** Danger

· **Hazard-determining components of labelling:**
Petroleum gases, liquefied, sweetened
toluene
tris(methylphenyl) phosphate
· **Hazard statements**
H222 Extremely flammable aerosol.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H340 May cause genetic defects.
H361 Suspected of damaging fertility or the unborn child.
H371-H336 May cause damage to organs. May cause drowsiness or dizziness.

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· **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P410+P412	Protect from sunlight. Do no 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 MSDS:** Environment protection department.
· **Contact:** Steve Gaver
· **Abbreviations and acronyms:**
ICAO: International Civil Aviation Organization
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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
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