

## 1 Identification

- **Product identifier**
- **Trade name:** 39683 Self Etching Primer Gray
- **Article number:** 39683
- **Application of the substance / the mixture**  
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:** CHEMTREC 1-800-424-9300

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode 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 May cause damage to organs.

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

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



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

(Contd. on page 2)

Trade name: 39683 Self Etching Primer Gray

(Contd. of page 1)

· **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*

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

CELLULOSE NITRATE

toluene

acetone

titanium dioxide

· **Hazard statements**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H371 May cause damage to organs.

H336 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.

P270 Do not eat, drink or smoke when using this product.

P201 Obtain special instructions before use.

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

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

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).

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.

P330 Rinse mouth.

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.

(Contd. on page 3)

**Trade name: 39683 Self Etching Primer Gray**

(Contd. of page 2)

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.

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



- **HMIS-ratings (scale 0 - 4)**



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

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:**  
Mixture: consisting of the following components.  
Weight percentages

**Dangerous components:**

68476-86-8	Petroleum gases, liquefied, sweetened	13 - 30%
67-64-1	acetone	13 - 30%
110-19-0	isobutyl acetate	7 - 10%
108-88-3	toluene	7 - 10%
141-78-6	ethyl acetate	5 - 7%
78-93-3	butanone	5 - 7%
	Resin NJTSRN 6784	
9004-70-0	CELLULOSE NITRATE	1.5 - 5%
13463-67-7	titanium dioxide	1.5 - 5%
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1.5 - 5%
123-86-4	n-butyl acetate	1.5 - 5%
67-63-0	propan-2-ol	1-1.5%
14808-60-7	Quartz (SiO <sub>2</sub> )	1-1.5%
1330-20-7	xylene	1-1.5%
14807-96-6	Talc	1-1.5%
1330-78-5	tris(methylphenyl) phosphate	≤1%

USA

(Contd. on page 4)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 3)

#### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **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:** Immediately call a 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 Fire-fighting 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.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
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.

(Contd. on page 5)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 4)

- 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:** Store away from oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

**67-64-1 acetone**

PEL	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 1187 mg/m <sup>3</sup> , 500 ppm Long-term value: 594 mg/m <sup>3</sup> , 250 ppm
BEI	

**110-19-0 isobutyl acetate**

PEL	Long-term value: 700 mg/m <sup>3</sup> , 150 ppm
REL	Long-term value: 700 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 172 mg/m <sup>3</sup> , 150 ppm Long-term value: 238 mg/m <sup>3</sup> , 50 ppm

**108-88-3 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/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 75 mg/m <sup>3</sup> , 20 ppm
BEI	

**141-78-6 ethyl acetate**

PEL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
REL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
TLV	Long-term value: 1440 mg/m <sup>3</sup> , 400 ppm

(Contd. on page 6)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 5)

**78-93-3 butanone**

PEL Long-term value: 590 mg/m<sup>3</sup>, 200 ppm  
 REL Short-term value: 885 mg/m<sup>3</sup>, 300 ppm  
 Long-term value: 590 mg/m<sup>3</sup>, 200 ppm  
 TLV Short-term value: 885 mg/m<sup>3</sup>, 300 ppm  
 Long-term value: 590 mg/m<sup>3</sup>, 200 ppm  
 BEI

**123-86-4 n-butyl acetate**

PEL Long-term value: 710 mg/m<sup>3</sup>, 150 ppm  
 REL Short-term value: 950 mg/m<sup>3</sup>, 200 ppm  
 Long-term value: 710 mg/m<sup>3</sup>, 150 ppm  
 TLV Short-term value: 712 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 238 mg/m<sup>3</sup>, 50 ppm

**67-63-0 propan-2-ol**

PEL Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 REL Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm  
 Long-term value: 980 mg/m<sup>3</sup>, 400 ppm  
 TLV Short-term value: 984 mg/m<sup>3</sup>, 400 ppm  
 Long-term value: 492 mg/m<sup>3</sup>, 200 ppm  
 BEI

**14808-60-7 Quartz (SiO<sub>2</sub>)**

PEL see Quartz listing  
 REL Long-term value: 0.05\* mg/m<sup>3</sup>  
 \*respirable dust; See Pocket Guide App. A  
 TLV Long-term value: 0.025\* mg/m<sup>3</sup>  
 \*as respirable fraction

**1330-20-7 xylene**

PEL Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
 REL Short-term value: 655 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 435 mg/m<sup>3</sup>, 100 ppm  
 TLV Short-term value: 651 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 434 mg/m<sup>3</sup>, 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)

(Contd. on page 7)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 6)

**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

**67-63-0 propan-2-ol**

BEI 40 mg/L  
Medium: urine  
Time: end of shift at end of workweek  
Parameter: Acetone (background, nonspecific)

**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 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

(Contd. on page 8)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 7)



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:**

· <b>Form:</b>	Aerosol
· <b>Color:</b>	According to product specification
· <b>Odor:</b>	Characteristic
· <b>Odor threshold:</b>	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

· <b>Melting point/Melting range:</b>	Undetermined.
· <b>Boiling point/Boiling range:</b>	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.

· **Explosion limits:**

· <b>Lower:</b>	1.9 Vol %
· <b>Upper:</b>	13.0 Vol %

· **Vapor pressure at 20 °C:** 233 hPa

· **Density at 20 °C:** 0.78216 g/cm<sup>3</sup>

· **Relative density** Not determined.

(Contd. on page 9)





Trade name: 39683 Self Etching Primer Gray

(Contd. of page 8)

- 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: 85.3 %
  - VOC content: 62.1 %
  - 630.9 g/l / 5.27 lb/gl
- Solids content: 14.6 %
- Other information *No further relevant information available.*

**10 Stability and reactivity**

- Reactivity *No further relevant information available.*
- Chemical stability
- Thermal decomposition / conditions to be avoided: *No decomposition if used according to specifications.*
- Possibility of hazardous reactions *No dangerous reactions known.*
- Conditions to avoid *No further relevant information available.*
- Incompatible materials: *No further relevant information available.*
- Hazardous decomposition products:
  - Carbon monoxide and carbon dioxide
  - Nitrogen oxides (NOx)
  - Hydrocarbons

**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:*
  - Harmful
  - Irritant

(Contd. on page 10)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 9)

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

108-88-3	toluene	3
13463-67-7	titanium dioxide	2B
67-63-0	propan-2-ol	3
14808-60-7	Quartz (SiO <sub>2</sub> )	1
1330-20-7	xylene	3
14807-96-6	Talc	3
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 (SiO <sub>2</sub> )	K
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· **OSHA-Ca (Occupational Safety & Health Administration)**

68911-87-5	montmorilontie clay complex	
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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:**  
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.




USA

(Contd. on page 11)

Trade name: 39683 Self Etching Primer Gray

(Contd. of page 10)

**14 Transport information**

· UN-Number	UN1950
· DOT, ADR, IMDG, IATA	
· UN proper shipping name	Aerosols, flammable
· DOT	1950 Aerosols
· ADR	1950 Aerosols
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable
· 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	Void
· DOT, ADR, IMDG, IATA	
· Environmental hazards:	
· Marine pollutant:	No
· 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

(Contd. on page 12)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 11)

.	of class 2.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· <b>Remarks</b>	ORM-D 49CFR 173-150,156,306
· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	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
78-93-3	butanone
67-63-0	propan-2-ol
1330-20-7	xylene
14807-96-6	Talc
67-56-1	methanol
	ACRYLIC RESIN
111-76-2	2-butoxyethanol
100-41-4	ethylbenzene

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

67-64-1	acetone
110-19-0	isobutyl acetate
108-88-3	toluene
141-78-6	ethyl acetate
78-93-3	butanone
9004-70-0	CELLULOSE NITRATE
13463-67-7	titanium dioxide
64742-94-5	Solvent naphtha (petroleum), heavy arom.

(Contd. on page 13)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 12)

123-86-4	n-butyl acetate
67-63-0	propan-2-ol
14808-60-7	Quartz (SiO <sub>2</sub> )
1330-20-7	xylene
14807-96-6	Talc
18268-70-7	Tetraethylene Glycol Di 2-ethylhexoate
1330-78-5	tris(methylphenyl) phosphate

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO <sub>2</sub> )
1330-20-7	xylene
1333-86-4	Carbon black
100-41-4	ethylbenzene

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

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

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
108-88-3	toluene	II
78-93-3	butanone	I
1330-20-7	xylene	I
111-76-2	2-butoxyethanol	NL
100-41-4	ethylbenzene	D

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

67-64-1	acetone	A4
108-88-3	toluene	A4
13463-67-7	titanium dioxide	A4
67-63-0	propan-2-ol	A4
14808-60-7	Quartz (SiO <sub>2</sub> )	A2
1330-20-7	xylene	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)**

13463-67-7	titanium dioxide
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(Contd. on page 14)



Trade name: 39683 Self Etching Primer Gray

(Contd. of page 13)

14808-60-7	Quartz (SiO <sub>2</sub> )
67-56-1	methanol
1333-86-4	Carbon black

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



GHS02 GHS04 GHS07 GHS08

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

CELLULOSE NITRATE

toluene

acetone

titanium dioxide

- **Hazard statements**

H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

H371 May cause damage to organs.

H336 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.

P270 Do not eat, drink or smoke when using this product.

P201 Obtain special instructions before use.

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

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

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).

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.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

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

(Contd. on page 15)

**Trade name: 39683 Self Etching Primer Gray**

(Contd. of page 14)

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

· **National regulations:**

· **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

· **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** 05/31/2016 / 10

· **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

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Aerosol 1: Aerosols – Category 1

Press. Gas: Gases under pressure – Compressed gas

Acute Tox. 4: Acute toxicity – Category 4

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

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

Carc. 1A: Carcinogenicity – Category 1A

Repr. 2: Reproductive toxicity – Category 2

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

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

Asp. Tox. 1: Aspiration hazard – Category 1

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