



Reviewed on 09/26/2017

1 Identification

- Product identifier
- · Trade name: 39673 Self Etching Primer Black
- · Article number: 39673
- 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

GHS08 Health hazard

•	
Carc. 1A	H350 May cause cancer.
Repr. 2	H361 Suspected of damaging fertility or the unborn child.
STOT SE 1	H370 Causes 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.
GHS)7

GHS07

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.

H280 Contains gas under pressure; may explode if heated.

· Label elements

• GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2)

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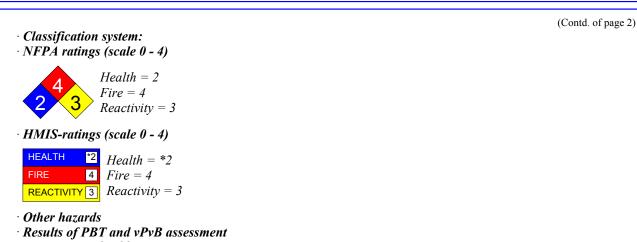
Hazard pictogra	(Contd. of page
	ints
<u> (🖾) (–</u>	
\sim \sim	
GHS02 GHS	04 GHS07 GHS08
Signal word Da	nger
Hazard-determi	ning components of labeling:
toluene	
acetone	
Quartz (SiO2)	
Solvent naphtha	(petroleum), heavy arom.
Hazard stateme	nts
H222 Extremely	flammable aerosol.
	gas under pressure; may explode if heated.
H315 Causes sk	
	rious eye irritation.
H350 May cause	
-	of damaging fertility or the unborn child.
H370 Causes da	
	e drowsiness or dizziness.
	e damage to organs through prolonged or repeated exposure.
	tal if swallowed and enters airways.
Precautionary s	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
<i>P301+P310</i>	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of water.
P303+P351+P3	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese
D200 + D212	and easy to do. Continue rinsing.
P308+P313	<i>IF exposed or concerned: Get medical advice/attention.</i>
P314 P362+P364	Get medical advice/attention if you feel unwell.
P302+P304 P332+P313	Take off contaminated clothing and wash it before reuse.
	If skin irritation occurs: Get medical advice/attention.
P337+P313 P405	If eye irritation persists: Get medical advice/attention.
P403 P410+P403	Store locked up. Protect from sunlight Store in a well ventilated place
P410+P403 P410+P412	Protect from sunlight. Store in a well-ventilated place. Protect from sunlight Do not appear to temporatures exceeding 50°C/122°E
1 4 I II + F 4 I /	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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· PBT: Not applicable.

• **vPvB:** Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture: consisting of the following components. Weight percentages

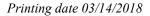
· Dangerous	components:	
67-64-1	acetone	13-30%
68476-86-8	Petroleum gases, liquefied, sweetened	13-30%
108-88-3	toluene	≥7-<10%
110-19-0	isobutyl acetate	<i>≥</i> 7-<10%
141-78-6	ethyl acetate	5-7%
78-93-3	butanone	5-7%
9004-70-0	CELLULOSE NITRATE	1.5-5%
123-86-4	n-butyl acetate	1.5-5%
64742-94-5	Solvent naphtha (petroleum), heavy arom.	1-1.5%
	propan-2-ol	1-1.5%
14808-60-7	Quartz (SiO2)	1-1.5%
14807-96-6	Talc	1-1.5%
1330-78-5	tris(methylphenyl) phosphate	≥0.2-<1%

4 First-aid measures

- · Description of first aid measures
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- *After skin contact: Immediately wash with water and soap and rinse thoroughly.*
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

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- 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:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
- Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- **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.
- Protective Action Criteria for Chemicals
- · PAC-1:

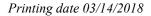
Г

67-64-1 acetone	200 ppm
108-88-3 toluene	67 ppm
110-19-0 isobutyl acetate	450 ppm
141-78-6 ethyl acetate	1,200 ppm
78-93-3 butanone	200 ppm
13463-67-7 titanium dioxide	30 mg/m
123-86-4 n-butyl acetate	5 ppm
67-63-0 propan-2-ol	400 ppm
14808-60-7 Quartz (SiO2)	0.075 mg/m
108-65-6 2-methoxy-1-methylethyl acetate	50 ppm
1333-86-4 Carbon black	9 mg/m
6915-15-7 malic acid	4.8 mg/m
1330-20-7 xylene	130 ppm
112945-52-5 SILICA	18 mg/m
67-56-1 methanol	530 ppm
100-41-4 ethylbenzene	33 ppm
91-20-3 naphthalene	15 ppm



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122-99-6	2-Phenoxyethanol	(Contd. of page 1.5 ppm
	butanol	1.5 ppm 150 ppm
	Methyl glycol	30 mg/m
	1,2,4-trimethylbenzene	140 ppm
	1,2,7-0 intentytoenzene	140 ppm
PAC-2:		2200*
	acetone	3200* ppm
108-88-3		560 ppm
	isobutyl acetate	1300* ppm
	ethyl acetate	1,700 ppm
	butanone	2700* ppm
	titanium dioxide	330 mg/m
	n-butyl acetate	200 ppm
	propan-2-ol	2000* ppm
	Quartz (SiO2)	33 mg/m
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
1333-86-4	Carbon black	99 mg/m
6915-15-7	malic acid	53 mg/m
1330-20-7	xylene	920* ppm
112945-52-5	SILICA	100 mg/m
67-56-1	methanol	2,100 ppm
100-41-4	ethylbenzene	1100* ppm
91-20-3	naphthalene	83 ppm
	2-Phenoxyethanol	16 ppm
	butanol	1,300 ppm
57-55-6	Methyl glycol	1,300 mg/n
	<i>1,2,4-trimethylbenzene</i>	360 ppm
PAC-3:		
	acetone	5700* ppm
108-88-3		3700* ppm
	isobutyl acetate	7500** ppm
	ethyl acetate	10000** ppi
	butanone	4000* ppm
	titanium dioxide	2,000 mg/m
	n-butyl acetate	3000* ppm
	propan-2-ol	12000** pp
	Quartz (SiO2)	200 mg/m
	2-methoxy-1-methylethyl acetate	5000* ppm
	Carbon black	590 mg/m
	malic acid	320 mg/m
1330-20-7	-	2500* ppm
112945-52-5	SILICA	630 mg/m (Contd. on page



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		(Contd. of page 5)
	methanol	7200* ppm
	ethylbenzene	1800* ppm
	naphthalene	500 ppm
	2-Phenoxyethanol	97 ppm
78-83-1		8000* ppm
	Methyl glycol	7,900 mg/m
95-63-6	1,2,4-trimethylbenzene	480 ppm

7 Handling and storage

· Handling:

Precautions for safe handling

No special measures required.

- Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: Do not spray on a naked flame or any incandescent material. Keep ignition sources away - Do not smoke.
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurized containers.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

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.

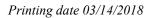
67-64-1 acetone

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

108-88-3 toluene

- PEL Long-term value: 200 ppm
 - Ceiling limit value: 300; 500* ppm
 - *10-min peak per 8-hr shift

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	(Con	td. of page 6)
REL	Short-term value: 560 mg/m , 150 ppm	
	Long-term value: 375 mg/m , 100 ppm	
TLV	Long-term value: 75 mg/m , 20 ppm BEI	
110-	19-0 isobutyl acetate	
PEL	Long-term value: 700 mg/m , 150 ppm	
REL	Long-term value: 700 mg/m , 150 ppm	
TLV	Short-term value: 712 mg/m , 150 ppm Long-term value: 238 mg/m , 50 ppm	
141-1	78-6 ethyl acetate	
PEL	Long-term value: 1400 mg/m , 400 ppm	
REL	Long-term value: 1400 mg/m, 400 ppm	
	Long-term value: 1440 mg/m, 400 ppm	
	3-3 butanone	
PEL	Long-term value: 590 mg/m, 200 ppm	
	Short-term value: 885 mg/m, 300 ppm	
	Long-term value: 590 mg/m, 200 ppm	
TLV	Short-term value: 885 mg/m , 300 ppm	
	Long-term value: 590 mg/m , 200 ppm BEI	
123-0	86-4 n-butyl acetate	
PEL	Long-term value: 710 mg/m , 150 ppm	
REL	Long-term value: 950 mg/m , 200 ppm	
TLV	Short-term value: 712 mg/m , 150 ppm Long-term value: 238 mg/m , 50 ppm	
67-6.	3-0 propan-2-ol	
PEL	Long-term value: 980 mg/m, 400 ppm	
REL	Short-term value: 1225 mg/m , 500 ppm Long-term value: 980 mg/m , 400 ppm	
TLV	Short-term value: 984 mg/m , 400 ppm	
	Long-term value: 492 mg/m , 200 ppm BEI	
1480	08-60-7 Quartz (SiO2)	
PEL	see Quartz listing	
REL	Long-term value: 0.05* mg/m *respirable dust; See Pocket Guide App. A	
TLV	Long-term value: 0.025* mg/m *as respirable fraction	
·Ingro	edients with biological limit values:	
~	id-1 acetone	
BEI	50 mg/L	
	Medium: urine	
	Time: end of shift	
	Parameter: Acetone (nonspecific)	td or 0
	(Con	td. on page 8)

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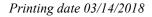
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108-	88-3 toluene
BEI	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene
	0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene
	0.3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)
78-9	3-3 butanone
BEI	2 mg/L Medium: urine Time: end of shift Parameter: MEK
67-6	3-0 propan-2-ol
BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
· Expo · Pers · Gen Keep Imm Wası Store Avoi · Brea In ca resp · Prot Due chen	tional information: The lists that were valid during the creation were used as basis. osure controls onal protective equipment: eral protective and hygienic measures: o away from foodstuffs, beverages and feed. ediately remove all soiled and contaminated clothing. h hands before breaks and at the end of work. e protective clothing separately. d contact with the eyes and skin. thing equipment: use of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use iratory protective device that is independent of circulating air. ection of hands: to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the nical mixture. ction of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Line and	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. (Contd. on page 9)

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· 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.

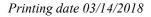
• *Eye protection:* Safety glasses



*

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:	55.8-56.6 °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:	
Lower:	1.9 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C:	233 hPa
Density at 20 °C:	0.77759 g/cm
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	e 9)
Solvent content: Organic solvents: Water: VOC content:	85.4 % 0.0 % 59.53 % 621.3 g/l / 5.18 lb/gl	
Solids content: • Other information	14.6 % 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.
- \cdot 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
 5,000 mg/kg (rat)

 Dermal
 LD50
 12,124 mg/kg (rabbit)

 Inhalative
 LC50/4 h
 5,320 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
13463-67-7	titanium dioxide	2B
	propan-2-ol	3
	Quartz (SiO2)	1
14807-96-6	Talc	3
	Carbon black	2B
1330-20-7		3
100-41-4	ethylbenzene	2B
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91-20-3 naphthalene

· NTP (National Toxicology Program)

14808-60-7 Quartz (SiO2) 91-20-3 naphthalene

31200 naprimatorie

· OSHA-Ca (Occupational Safety & Health Administration)

68911-87-5 montmorilontie clay complex

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	
\cdot UN proper shipping name		
DOT	Aerosols, flammable	
· ADR	1950 Aerosols	
·IMDG	AEROSOLS	
·IATA	AEROSOLS, flammable	

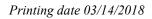


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Transport hazard class(es) DOT	
DOT	
· Class	2.1
Label	2.1
ADR	
· Class	2 5F Gases
· Label	2.1
IMDG, IATA	
2	
- Class	2.1
- Label	2.1
· Packing group · DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
Special precautions for user	Warning: Gases
EMS Number:	F-D,S-U SWL Protected from courses of heat
· 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
Segregation Code	quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre
· Segregation Code	Segregation as for class 9. Stow "separated from" class 1 except fo
	division 1.4. For AEROSOLS with a capacity above 1 litre
	Segregation as for the appropriate subdivision of class 2. For
	WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
	-
Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	<i>I of</i> Not applicable.
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Transport/Additional information:	
DOT	On passenger aircraft/rail: 75 kg
Quantity limitations	On cargo aircraft only: 150 kg
ADR	Code: E0
Excepted quantities (EQ)	Not permitted as Excepted Quantity
IMDG	1L
Limited quantities (LQ)	Code: E0
Excepted quantities (EQ)	Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 Regulatory information

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

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
14807-96-6	Talc
1330-20-7	xylene
67-56-1	methanol
	Acrylic Resin
100-41-4	ethylbenzene
91-20-3	naphthalene
122-99-6	2-Phenoxyethanol
95-63-6	1,2,4-trimethylbenzene
104-68-7	Diethylene glycol monophenyl ether
TSCA (Tox	ic Substances Control Act):
67-64-1	acetone
108-88-3	toluene
110-19-0	isobutyl acetate
141-78-6	ethyl acetate
78 - 93-3	butanone
13463-67-7	titanium dioxide
68038-41-5	Modified Rosin Ester
9004-70-0	CELLULOSE NITRATE

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	n-butyl acetate
	Solvent naphtha (petroleum), heavy arom.
	propan-2-ol
	Quartz (SiO2)
14807-96-6	
	tris(methylphenyl) phosphate
	Tetraethylene Glycol Di 2-ethylhexoate
	2-methoxy-1-methylethyl acetate
	montmorilontie clay complex
	Carbon black
	malic acid
1330-20-7	
	methanol
	PHTHALO GREEN PIGMENT
	ethylbenzene
	naphthalene
122-99-6	2-Phenoxyethanol
78-83-1	butanol
57-55-6	Methyl glycol
95-63-6	1,2,4-trimethylbenzene
104-68-7	Diethylene glycol monophenyl ether
7732-18-5	water
· TSCA new	(21st Century Act) (Substances not listed)
68476-86-8	Petroleum gases, liquefied, sweetened
· Proposition	65
· Chemicals I	known to cause cancer:
13463-67-7	titanium dioxide
14808-60-7	Quartz (SiO2)
1333-86-4	Carbon black
1330-20-7	xylene
100-41-4	ethylbenzene
91-20-3	naphthalene
95-63-6	1,2,4-trimethylbenzene
· Chemicals I	known to cause reproductive toxicity for females:
None of the	ingredients is listed.
· Chemicals k	known to cause reproductive toxicity for males:
None of the	ingredients is listed.
	known to cause developmental toxicity:
108-88-3 to	
67-56-1 m	
	(Contd. on page 1

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· Cancaroga	nity categories	(Contd. of page 14)
	ronmental Protection Agency)	
67-64-1		Ι
108-88-3	toluene	II
78-93-3	butanone	Ι
1330-20-7	xylene	Ι
100-41-4	ethylbenzene	D
91-20-3	naphthalene	C, CBD
95-63-6	1,2,4-trimethylbenzene	II
• TLV (Thre	shold Limit Value established by ACGIH)	
67-64-1	acetone	A4
108-88-3	toluene	A4
13463-67-7	titanium dioxide	A4
67-63-(propan-2-ol	A4
14808-60-2	7 Quartz (SiO2)	A2
14807-96-0	5 Talc	A4
1333-86-4	Carbon black	A4
1330-20-7	7 xylene	A4
100-41-4	t ethylbenzene	A3
91-20-3	aphthalene	A4
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
13463-67-7	titanium dioxide	
14808-60-2	7 Quartz (SiO2)	
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*

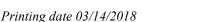


· Signal word Danger

Hazard-determining components of labeling: toluene acetone Quartz (SiO2) Solvent naphtha (petroleum), heavy arom.
Hazard statements H222 Extremely flammable aerosol. H280 Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child.

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⁻USA



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Trade name: 39673 Self Etching Primer Black

	(Contd. of page 15)
H370 Causes da	
	e drowsiness or dizziness.
	e damage to organs through prolonged or repeated exposure.
	tal if swallowed and enters airways.
• Precautionary s	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P302+P352	If on skin: Wash with plenty of water.
P305+P351+P3	38 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
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.
	\sim

· 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: Rita Joiner (rjoiner@semproducts.com)*
- · Date of preparation / last revision 03/14/2018 / 20
- Abbreviations and acronyms:
- ICAO: International Civil Aviation Organisation

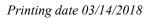
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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

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USA



SEM

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	(Contd. of page 16)
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	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
<i>Eye Irrit.</i> 2 <i>A</i> : Serious eye damage/eye irritation – Category 2 <i>A</i>	
Carc. 1A: Carcinogenicity – Category 1A	
<i>Repr. 2: Reproductive toxicity – Category 2</i>	
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1	
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.	
	USA —