

Safety Data Sheet

according to 1907/2006/EC (REACH),
1272/2008/EC (CLP), and GHS

Printing date: 18.07.2013

Revision: 18.07.2013

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

1.1 Product identifier

Trade Name: Self Etching Primer - Aerosol

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation: Organic solvent

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Absolute Coatings Inc.
38 Portman Road
New Rochelle, NY 10801
Phone: 1-800-221-8010

1.4 Emergency telephone number:

ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

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



GHS05 corrosion

Eye Dam. 1; H318: Causes serious eye damage.



GHS07

Skin Irrit. 2; H315: Causes skin irritation.
STOT SE 3; H336: May cause drowsiness or dizziness.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.



Xi; Irritant

R38-41: Irritating to skin. Risk of serious damage to eyes.



F; Extremely flammable

R12: Extremely flammable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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Trade Name: Self Etching Primer - Aerosol**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS05 GHS07

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

Butan-1-ol

Butanol

Hazard statements

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

H315: Causes skin irritation.

H318: Causes serious eye damage.

H336: 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.

P211: Do not spray on an open flame or other ignition source.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Additional information:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Hazard description:**WHMIS-symbols:**

A - Compressed gas

B5 - Flammable aerosol

D2B - Toxic material causing other toxic effects

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

Health = 2

Fire = 4

Reactivity = 3

HMIS-ratings (scale 0 - 4)

HEALTH	2
FIRE	4
REACTIVITY	3

Health = 2

Fire = 4

Reactivity = 3

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Trade Name: Self Etching Primer - Aerosol**HMIS Long Term Health Hazard Substances**

78-83-1	Butanol
100-41-4	Ethylbenzene

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	Acetone	15-40%
	☒ Xi R36; ☒ F R11; R66-67	
	☒ Flam. Liq. 2, H225 ☒ Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	Propane	10-30
	☒ F+ R12 ☒ Flam. Gas 1, H220; Press. Gas, H280	
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6	Butan-1-ol	7-13%
	☒ Xn R22; ☒ Xi R37/38-41; R10-67	
	☒ Flam. Liq. 3, H226	
	☒ Eye Dam. 1, H318 ☒ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate R10	5-10%
	☒ Flam. Liq. 3, H226	
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	Xylene	3-7%
	☒ Xn R20/21; ☒ Xi R38; R10	
	☒ Flam. Liq. 2, H225 ☒ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
CAS: 79-20-9 EINECS: 201-185-2 Index number: 607-021-00-X	Methyl Acetate	1-5%
	☒ Xi R36; ☒ F R11; R66-67	
	☒ Flam. Liq. 2, H225 ☒ Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 64742-89-8 EINECS: 265-192-2 Index number: 649-267-00-0	Solvent naphtha (petroleum), light aliph.	1-5%
	☒ Xn R65; Carc. Cat. 2, Muta. Cat. 2 ☒ Asp. Tox. 1, H304	
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-Butyl Acetate R10-66-67	1-5%
	☒ Flam. Liq. 3, H226	
	☒ STOT SE 3, H336	
CAS: 78-83-1 EINECS: 201-148-0 Index number: 603-108-00-1	Butanol	1-5%
	☒ Xi R37/38-41; R10-67	
	☒ Flam. Liq. 3, H226	
	☒ Eye Dam. 1, H318 ☒ Skin Irrit. 2, H315; STOT SE 3, H335-H336	

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Trade Name: Self Etching Primer - Aerosol

CAS: 100-41-4

EINECS: 202-849-4

Index number: 601-023-00-4

Ethylbenzene

☒ Xn R20; ☒ F R11

☒ Flam. Liq. 2, H225

☒ Acute Tox. 4, H332

1-5%

Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation:

Seek medical treatment in case of complaints.

Supply fresh air.

In case of unconsciousness place patient stably in side position for transportation.

In case of irregular breathing or respiratory arrest provide artificial respiration.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulty

Dizziness

Coughing

Headache

Nausea

Cramp

Profuse sweating

Disorientation

Unconsciousness

Hazards:

Danger of disturbed cardiac rhythm.

Danger of pulmonary oedema.

Danger of convulsion.

Danger of impaired breathing.

Condition may deteriorate with alcohol consumption.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with added, activated carbon.

Monitor circulation, possible shock treatment.

If necessary oxygen respiration treatment.

Medical supervision for at least 48 hours.

Later observation for pneumonia and pulmonary oedema.

May produce a narcotic effect.

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Trade Name: Self Etching Primer - Aerosol**5 Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Alcohol resistant foam.

Foam

Gaseous extinguishing agents.

Carbon dioxide.

Fire-extinguishing powder.

Water haze or fog.

For safety reasons unsuitable extinguishing agents:

Water with full jet.

Water spray

5.2 Special hazards arising from the substance or mixture

Danger of receptacles bursting because of high vapour pressure when heated.

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information:

Eliminate all ignition sources if safe to do so.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Use large quantities of foam as it is partially destroyed by the product.

Cool endangered receptacles with water fog or haze.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Isolate area and prevent access.

Ensure adequate ventilation

Keep away from ignition sources.

Protect from heat.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb liquid components with liquid-binding material.

Allow to solidify. Pick up mechanically.

Clean the affected area carefully; suitable cleaners are:

Organic solvent

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

6.4 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

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Trade Name: **Self Etching Primer - Aerosol****7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Keep away from heat and direct sunlight.

Information about fire - and explosion protection:

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.

Do not spray onto a naked flame or any incandescent material.

Emergency cooling must be available in case of nearby fire.

Keep respiratory protective device available.

7.2 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.

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

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

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****67-64-1 acetone**

IOELV (EU)	Long-term value: 1210 mg/m ³ , 500 ppm
PEL (USA)	Long-term value: 2400 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 590 mg/m ³ , 250 ppm
TLV (USA)	Short-term value: (1782) NIC-1187 mg/m ³ , (750) NIC-500 ppm Long-term value: (1188) NIC-475 mg/m ³ , (500) NIC-200 ppm BEI
EL (Canada)	Short-term value: 500 ppm Long-term value: 250 ppm
EV (Canada)	Short-term value: 750 ppm Long-term value: 500 ppm

74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F: minimal oxygen content
EL (Canada)	Long-term value: 1000 ppm
EV (Canada)	Long-term value: 1,000 ppm

71-36-3 butan-1-ol

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PEL (USA) REL (USA) TLV (USA) EL (Canada) EV (Canada)	Long-term value: 300 mg/m ³ , 100 ppm Short-term value: C 150 mg/m ³ , C 50 ppm Skin Long-term value: 61 mg/m ³ , 20 ppm Short-term value: C 30 ppm Long-term value: 15 ppm Long-term value: 20 ppm
1330-20-7 xylene	
IOELV (EU) PEL (USA) REL (USA) TLV (USA) EL (Canada) EV (Canada)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin Long-term value: 435 mg/m ³ , 100 ppm Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI Short-term value: 150 ppm Long-term value: 100 ppm Short-term value: 650 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
IOELV (EU) WEEL (USA) EL (Canada) EV (Canada)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin Long-term value: 50 ppm Short-term value: 75 ppm Long-term value: 50 ppm Long-term value: 270 mg/m ³ , 50 ppm
79-20-9 methyl acetate	
PEL (USA) REL (USA) TLV (USA) EL (Canada) EV (Canada)	Long-term value: 610 mg/m ³ , 200 ppm Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm Short-term value: 250 ppm Long-term value: 200 ppm Short-term value: 755 mg/m ³ , 250 ppm Long-term value: 605 mg/m ³ , 200 ppm
123-86-4 n-butyl acetate	
PEL (USA) REL (USA) TLV (USA) EL (Canada) EV (Canada)	Long-term value: 710 mg/m ³ , 150 ppm Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm Long-term value: 20 ppm Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
78-83-1 butanol	

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PEL (USA)	Long-term value: 300 mg/m ³ , 100 ppm
REL (USA)	Long-term value: 150 mg/m ³ , 50 ppm
TLV (USA)	Long-term value: 152 mg/m ³ , 50 ppm
EL (Canada)	Long-term value: 50 ppm
EV (Canada)	Long-term value: 150 mg/m ³ , 50 ppm
100-41-4 ethylbenzene	
IOELV (EU)	Short-term value: 884 mg/m ³ , 200 ppm Long-term value: 442 mg/m ³ , 100 ppm Skin
PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 543 mg/m ³ , 125 ppm Long-term value: 87 mg/m ³ , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm IARC 2B
EV (Canada)	Short-term value: 540 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm

DNELs: No further relevant information available.**PNECs:** No further relevant information available.**Ingredients with biological limit values:****67-64-1 acetone**

BEI (USA)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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1330-20-7 xylene

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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100-41-4 ethylbenzene

BEI (USA)	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
	- Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

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Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Respiratory protection:

Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

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 cannot 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:

Contact lenses should not be worn.



Safety glasses

Body protection:

Solvent resistant protective clothing.

Limitation and supervision of exposure into the environment

No further relevant information available.

Risk management measures

See Section 7 for additional information.

No further relevant information available.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information**Appearance:**

Form:	Liquid
Colour:	According to product specification
Odour:	Like ketone
Odour threshold:	Not determined.

pH-value:	Not determined.
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Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>131 °F / >55 °C

Flash point:	-156 °F / -104 °C (>-4 °F >-20 °C - liquid) Flash point for propellant.
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Flammability (solid, gaseous):	Not determined.
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Ignition temperature:	649 °F / 343 °C
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Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	0.7 Vol %
Upper:	16.0 Vol %
Vapour pressure:	8.46 bar (108 psig)
Density at 20 °C:	0.86 g/cm ³
Relative density:	Not determined.
Vapour density:	4.60 g/cm ³
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:	
VOC (US EPA Method 24A):	51 % Wt/ 59 % Vol (Max - 516 g/L)
Solids content:	20 % Wt / 15 % Vol
9.2 Other information:	No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications

10.3 Possibility of hazardous reactions

Used empty containers may contain product gases which form explosive mixtures with air.

Flammable.

Toxic fumes may be released if heated above the decomposition point.

Danger of receptacles bursting because of high vapour pressure when heated.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.

Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.

10.4 Conditions to avoid:

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Hydrocarbons

Danger of forming toxic pyrolysis products.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
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Dermal	LD50	2000 mg/kg (rabbit)
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Primary irritant effect:**On the skin:** Irritant to skin and mucous membranes.**On the eye:** Strong irritant with the danger of severe eye injury.**Sensitization:** No sensitizing effects known.**Subacute to chronic toxicity:** Vapours have narcotic effect.**Additional toxicological information:**

Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

Toxic and/or corrosive effects may be delayed up to 24 hours.

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

Asphyxiant gas.

Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure.**12 Ecological information****12.1 Toxicity****Aquatic toxicity:** The product contains materials that are harmful to the environment.**12.2 Persistence and degradability:** Biodegradable**12.3 Bioaccumulative potential:** Does not accumulate in organisms.**12.4 Mobility in soil:** No further relevant information available.**Ecotoxic effects:****Remark:**

The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

Additional ecological information:**General notes:**

This statement was deduced from the properties of the single components.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information**

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Trade Name: Self Etching Primer - Aerosol**14.1 UN-Number**

DOT; ADR, IMDG, IATA::

UN1950

14.2 UN proper shipping name

DOT, IMDG, IATA:

Aerosols, Flammable

ADR:

1950 Aerosols

14.3 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

14.4 Packing group

DOT, ADR, IMDG, IATA:

N/A

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user:

Warning: Gases

Danger code (Kemler):

-

EMS Number:

F-D,S-U

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ):

1L

Transport category:

2

Tunnel restriction code:

D

UN "Model Regulation":

UN1950, Aerosols; 2.1

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)

SARA

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

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Trade Name: Self Etching Primer - Aerosol**Section 313 (Specific toxic chemical listings):**

71-36-3	Butan-1-ol
1330-20-7	Xylene
100-41-4	Ethylbenzene

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65 (California):**Chemicals known to cause cancer:**

100-41-4	Ethylbenzene
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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:

None of the ingredients is listed.

Carcinogenic Categories**EPA (Environmental Protection Agency)**

67-64-1	Acetone	I
71-36-3	Butan-1-ol	D
1330-20-7	Xylene	I
100-41-4	Ethylbenzene	D

IARC (International Agency for Research on Cancer)

1330-20-7	Xylene	3
100-41-4	Ethylbenzene	2B

TLV (Threshold Limit Value established by ACGIH)

67-64-1	Acetone	A4
1330-20-7	Xylene	A4
100-41-4	Ethylbenzene	A3

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Canada**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

100-41-4	Ethylbenzene
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Canadian Ingredient Disclosure list (limit 1%)

67-64-1	Acetone
71-36-3	Butan-1-ol
79-20-9	Methyl acetate
123-86-4	N-butyl acetate
78-83-1	Butanol

15.2 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

Safety Data Sheet
according to 1907/2006/EC (REACH),
1272/2008/EC (CLP), and GHS

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specific product features and shall not establish a legally valid contractual relationship.

H220: Extremely flammable gas.
 H225: Highly flammable liquid and vapour.
 H226: Flammable liquid and vapour.
 H280: Contains gas under pressure; may explode if heated.
 H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H312: Harmful in contact with skin.
 H315: Causes skin irritation.
 H318: Causes serious eye damage.
 H319: Causes serious eye irritation.
 H332: Harmful if inhaled.
 H335: May cause respiratory irritation.
 H336: May cause drowsiness or dizziness.

R10: Flammable.
 R11: Highly flammable.
 R12: Extremely flammable.
 R20: Harmful by inhalation.
 R20/21: Harmful by inhalation and in contact with skin.
 R22: Harmful if swallowed.
 R36: Irritating to eyes.
 R37/38: Irritating to respiratory system and skin.
 R38: Irritating to skin.
 R41: Risk of serious damage to eyes.
 R65: Harmful: may cause lung damage if swallowed.
 R66: Repeated exposure may cause skin dryness or cracking.
 R67: Vapours may cause drowsiness and dizziness.

Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 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)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent