

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: 1K SELF ETCH PRIMER
Product code: SE88.G01
Print Date: 11/Aug/2011
Revision Date: 15/Jun/2011
Recommended use: A coating for mirror backing

210 CROSBY
PICAYUNE, MS 39466

Manufacturer's Phone: 1-601-798-4731

2. HAZARDS IDENTIFICATION

REGULATION (EC) No 1272/2008

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity - single exposure	Category 3
Chronic aquatic toxicity	Category 3
Flammable liquids. Category 2	



Label Elements



contains: 2-BUTOXYETHANOL, ACETONE, 2-METHYLPROPAN-1-OL, 4-CHLORO-a, a, a-TRIFLUOROTOLUENE

Signal word: Danger

Hazard statements

- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness and dizziness.
- H225 - Highly flammable liquid and vapour
- H412 - Harmful to aquatic life with long lasting effects

Precautionary obligatory statements

- P280 - Wear 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
- P310 - Immediately call a POISON CENTER or doctor/ physician
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P233 - Keep container tightly closed
- P241 - Use explosion-proof electrical/ventilating/lighting/equipment
- P242 - Use only non-sparking tools
- P243 - Take precautionary measures against static discharge
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P403 + P235 - Store in a well-ventilated place. Keep cool

Precautionary additional statements

- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
- P321 - Specific treatment (see supplemental first aid instructions on this label)
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse
- 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
- P310 - Immediately call a POISON CENTRE or doctor/physician
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 - Use only outdoors or in a well-ventilated area
- P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P405 - Store locked up
- P273 - Avoid release to the environment
- P501 - Dispose of contents/container to an approved waste disposal plant
- P501 - Dispose of contents/container to .?

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name CAS-No.	Approx. Weight %	GHS / CLP Substance Classification
ACETONE 67-64-1	25 - 50	Flam. Liq. 2 (H225) (EUH066) STOT SE 3 (H336) Eye Irrit. 2 (H319)
4-CHLORO-a, a, a- TRIFLUOROTOLUENE 98-56-6	20 - 25	Flam. Liq. 3 (H226) Eye Irrit. 2 (H319) STOT SE 3 (H335) Skin Irrit. 2 (H315)
2-METHYLPROPAN-1-OL 78-83-1	20 - 25	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) STOT SE 3 (H335) STOT SE 3 (H336) Eye Dam. 1 (H318)
XYLENE 1330-20-7	3 - 5	Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Acute Tox. 4 (H332)

2-BUTOXYETHANOL 111-76-2	1 - 3	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)
TRIZINC BIS (ORTHOPHOSPHATE) 7779-90-0	1 - 3	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
PHENOL 108-95-2	0.1 - 1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Skin Corr. 1B (H314) STOT RE 2 (H373) Muta. 2 (H341) Acute Tox. 3 (H331)

For the full text of the R-phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General

If symptoms persist, call a physician. Never give anything by mouth to an unconscious person.

Inhalation:

Move to fresh air. If victim is unconscious but breathing: Victim to lie down in the recovery position, cover and keep him warm. If not breathing, give artificial respiration. Obtain medical attention.

Skin:

Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.

Eyes:

Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep eye wide open while rinsing.

Ingestion:

Keep at rest. If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

The following actions are recommended

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Wear self contained breathing apparatus for fire fighting if necessary. Cool containers / tanks with water spray.

Suitable extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Carbon dioxide (CO₂)

Dry powder

Extinguishing media which must not be used for safety reasons

High volume water jet

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Exclude non essential personnel. Remove all sources of ignition. Ensure adequate ventilation. Do not breathe vapours/dust.

Environmental precautions:

Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean with detergents. Avoid solvents.

7. HANDLING AND STORAGE

Handling:

Operators should wear anti-static footwear and clothing. Use only non-sparking tools. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards. Vapours are heavier than air and may spread along floors. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Provide adequate ventilation. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke. Do not use pressure to empty drums. Store in original container.

Storage:

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Take notice of the directions of use on the label. Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep away from direct sunlight. Store in a place accessible by authorized persons only. Do not smoke.

Storage temperature: 10 - 30 C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

China

Ingredient Name CAS-No.	Time Weighted Average (TWA)	Short Term Limit (STEL)	Ceiling Limit Value	Skin designation
ACETONE 67-64-1	300 mg/m ³ TWA	450 mg/m ³ STEL		
XYLENE 1330-20-7	50 mg/m ³ TWA	100 mg/m ³ STEL		
PHENOL 108-95-2	10 mg/m ³ TWA	20 mg/m ³ STEL		Can be absorbed through the skin.

ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	ACGIH time weighted averages	ACGIH short term exposure limits	ACGIH Ceiling limits	ACGIH skin designations
ACETONE 67-64-1	500 ppm TWA	750 ppm STEL		
4-CHLORO-a,a,a- TRIFLUOROTOLUENE 98-56-6	2.5 mg/m ³ TWA F			
2-METHYLPROPAN-1- OL 78-83-1	50 ppm TWA			
XYLENE 1330-20-7	100 ppm TWA	150 ppm STEL		
2-BUTOXYETHANOL 111-76-2	20 ppm TWA			
PHENOL 108-95-2	5 ppm TWA			CAN BE ABSORBED THROUGH THE SKIN

Engineering measures:

During curing, decomposition products may be formed, which should be extracted safely from the work area. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Basic Personal Protection

Respiration

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection:

Wear suitable gloves and eye/face protection. Use protective skin cream before handling the product.

Skin:

Wear as appropriate: Flame retardant antistatic protective clothing Wear shoes with conductive soles.

Eyes:

Wear as appropriate: Safety glasses with side-shields Goggles

Hygiene measures:

Do not use solvents or thinners to clean skin. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. It is good practice in industrial hygiene to avoid contact with solvents by using appropriate protective measures whenever possible.

The OES for nuisance dust is 10 mg/m³ (total dust), 4 mg/m³ (respirable dust). Check local regulations in case different limits apply.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Physical state:	liquid
Specific Gravity	.98
Boiling point/range	56°C
Flash point:	-15°C c.c.
Sustains combustion:	yes

10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions.

Conditions to avoid:

Stable under recommended storage conditions.

Materials to avoid:

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Hazardous decomposition products:

Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Carbon monoxide Carbon dioxide (CO₂) Smoke nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
ACETONE 67-64-1	5800 mg/kg (Rat)		
4-CHLORO-a,a,a- TRIFLUOROTOLUENE 98-56-6	13 g/kg (Rat)	2 mg/kg (Rabbit)	33 mg/L (Rat) 4 h
2-METHYLPROPAN-1-OL 78-83-1	2460 mg/kg (Rat)	2000 mg/kg (Rabbit)	6.5 mg/L (Rat) 4 h
XYLENE 1330-20-7	4300 mg/kg (Rat)	1700 mg/kg (Rabbit)	47635 mg/L (Rat) 4 h 5000 ppm (Rat) 4 h
2-BUTOXYETHANOL 111-76-2	470 mg/kg (Rat)	220 mg/kg (Rabbit) 2270 mg/kg (Rat)	2.21 mg/L (Rat) 4 h 450 ppm (Rat) 4 h
TRIZINC BIS(ORTHOPHOSPHATE) 7779-90-0	5000 mg/kg (Rat)		
PHENOL 108-95-2	317 mg/kg (Rat)	525 mg/kg (Rat) 630 mg/kg (Rabbit)	316 mg/m ³ (Rat) 4 h

General

No data is available on the product itself.

Skin

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

Inhalation

Exposure to vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Ingestion

not determined

Eyes

The liquid splashed in the eyes may cause irritation and reversible damage.

12. ECOLOGICAL INFORMATION

Ingredient Name CAS-No.	Freshwater Algae 72 hour - Acute Toxicity Data	Acute Fish toxicity:	Freshwater Daphnia 48 hour - Acute Toxicity Data	Freshwater Water Flea 48 hour - Acute Toxicity Data
ACETONE 67-64-1		= 8300 mg/L Lepomis macrochirus 4.74-6.33 ml/L Oncorhynchus mykiss 6210-8120 mg/L Pimephales promelas	10294 - 17704 mg/L Daphnia magna 12600 - 12700 mg/L Daphnia magna	
4-CHLORO-a,a,a- TRIFLUOROTOLUENE 98-56-6			= 3.68 mg/L Daphnia magna	
2-METHYLPROPAN-1-OL 78-83-1		= 375 mg/L Pimephales promelas 1120-1520 mg/L Oncorhynchus mykiss 1370-1670 mg/L Pimephales promelas 1480-1730 mg/L Lepomis macrochirus	= 1300 mg/L Daphnia magna 1070 - 1933 mg/L Daphnia magna	
XYLENE 1330-20-7		= 13.4 mg/L Pimephales promelas = 19 mg/L Lepomis macrochirus = 780 mg/L Cyprinus carpio > 780 mg/L Cyprinus carpio 13.1-16.5 mg/L Lepomis macrochirus 13.5-17.3 mg/L Oncorhynchus mykiss 2.661-4.093 mg/L Oncorhynchus mykiss 23.53-29.97 mg/L Pimephales promelas 30.26-40.75 mg/L Poecilia reticulata 7.711-9.591 mg/L Lepomis macrochirus		= 3.82 mg/L water flea
2-BUTOXYETHANOL 111-76-2		= 1490 mg/L Lepomis macrochirus = 2950 mg/L Lepomis macrochirus	> 1000 mg/L Daphnia magna	

12. ECOLOGICAL INFORMATION

PHENOL 108-95-2	187 - 279 mg/L Desmodesmus subspicatus	= 0.00175 mg/L Cyprinus carpio = 11.5 mg/L Lepomis macrochirus = 13.5 mg/L Lepomis macrochirus = 27.8 mg/L Brachydanio rerio = 31 mg/L Poecilia reticulata = 32 mg/L Pimephales promelas 11.9-25.3 mg/L Lepomis macrochirus 11.9-50.5 mg/L Pimephales promelas 20.5-25.6 mg/L Pimephales promelas 23.4-36.6 mg/L Oryzias latipes 33.9-43.3 mg/L Oryzias latipes 34.09-47.64 mg/L Poecilia reticulata 4.23-7.49 mg/L Oncorhynchus mykiss 5.0-12.0 mg/L Oncorhynchus mykiss 5.449-6.789 mg/L Oncorhynchus mykiss 7.5-14 mg/L Oncorhynchus mykiss	10.2 - 15.5 mg/L Daphnia magna 4.24 - 10.7 mg/L Daphnia magna	
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Product Information

No data is available on the product itself.

Local pollution requirements may apply to the use of this product. Do not let product enter drains. Do not contaminate surface water.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods:

Do not let product enter drains. Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. Dispose of as special waste in compliance with local and national regulations.

14. TRANSPORT INFORMATION

ADR

Proper shipping name: PAINT
UN/ID No: UN1263
Hazard class: 3
Packing group: II

IMDG-Code

Proper shipping name: PAINT
UN/ID No: UN1263
Hazard class: 3
Packing group: II
Marine pollutant no

IATA-DGR

Proper shipping name: Paint
UN/ID No: UN1263
Hazard class: 3
Packing group: II

15. REGULATORY INFORMATION

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

- H301 - Toxic if swallowed
- H311 - Toxic in contact with skin
- H314 - Causes severe skin burns and eye damage
- H373 - May cause damage to organs (a,b,c) through prolonged or repeated exposure if inhaled
- H341 - Suspected of causing genetic defects if inhaled
- H331 - Toxic if inhaled
- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H315 - Causes skin irritation
- H332 - Harmful if inhaled
- H319 - Causes serious eye irritation
- H226 - Flammable liquid and vapour
- H225 - Highly flammable liquid and vapour
- H336 - May cause drowsiness or dizziness
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H335 - May cause respiratory irritation
- H318 - Causes serious eye damage
- EUH066 - Repeated exposure may cause skin dryness or cracking