

Material Safety Data Sheet

Print Date: 02/13/2007

Revision Date : 02/13/2007

Trade name: **1K SELF ETCH WELD-THRU PRIMER BLACK**

Part number:
3 680 011

Version : 2.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 1K SELF ETCH WELD-THRU PRIMER BLACK
MSDS Number : 888100004266
Product Use Description : Solvent-borne coatings, Primers
Company : Peter Kwasny Inc.
510 Broadhollow Road 209
Melville-NY, 11747
Telephone : 001-727-363-3047
Telefax : 001-727-363-0630
Emergency telephone : 001-352-323-3500
number

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This product, material or substance is a WHMIS controlled product per Sections 33 - 66, Part IV of the CPR.

Signal Word : DANGER
Form : aerosol
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : May cause fire.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F.
Flammable Aerosol

Irritant

Potential Health Effects

Eyes : Causes eye irritation.
Skin : May cause skin irritation.
Inhalation : Causes respiratory tract irritation.
Target Organs : Central nervous system
Eyes
Skin

Carcinogenicity:

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- ACGIH : propan-1-ol; n-propanol (CAS-No.: 71-23-8)
- NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- CA Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight %
acetone; propan-2-one; propanone	67-64-1	>= 25 - < 35
propan-1-ol; n-propanol	71-23-8	>= 15 - < 20
propane	74-98-6	>= 10 - < 12.5
butane	106-97-8	>= 7 - < 10
2-methylpropan-1-ol; iso-butanol	78-83-1	>= 7 - < 10
2-methoxy-1-methylethyl acetate	108-65-6	>= 1.5 - < 2
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	>= 1 - < 1.5

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area. Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Take off all contaminated clothing immediately.
- Inhalation : Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.

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Skin contact	:	Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.
Eye contact	:	Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Ingestion	:	If a person vomits when lying on his back, place him in the recovery position. Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5. FIRE-FIGHTING MEASURES

Form	:	aerosol
Flash point	:	< 0 °C (< 32 °F)
Ignition temperature	:	365 °C (689 °F)
Lower explosion limit	:	1.4 %(V)
Upper explosion limit	:	8.5 %(V)
Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media which must not be used for safety reasons	:	High volume water jet
Specific hazards during fire fighting	:	Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Do not use a solid water stream as it may scatter and spread fire.
Special protective equipment for fire-fighters	:	Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
Further information	:	Use water spray to cool unopened containers. Exposure to decomposition products may be a hazard to health. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ventilate the area.
Remove all sources of ignition.
Avoid inhalation of vapour or mist.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Should not be released into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
Take precautionary measures against static discharges.
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
Limit the stocks at work place.
Do not spray on a naked flame or any other incandescent material.
Use only in well-ventilated areas.
For personal protection see section 8.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition.
Do not smoke.
Vapours may form explosive mixtures with air.
Vapours are heavier than air and may spread along floors.
Electrical equipment should be protected to the appropriate standard.
- Dust explosion class : not applicable

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Storage

- Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C / 122 °F. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Please observe the storage instructions for aerosols
- Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Keep away from oxidising agents and strongly acid or alkaline materials.
- Storage period : 24 Months
- Storage temperature : 5 - 30 °C (41 - 86 °F)
- Other data : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	List	Type:	Value
acetone; propan-2-one; propanone	67-64-1	OEL (QUE)	TWA	750 ppm 1,780 mg/m3
		OEL (QUE)	STEL	1,000 ppm 2,380 mg/m3
		CAD AB OEL	TWA	750 ppm 1,800 mg/m3
		CAD AB OEL	STEL	1,000 ppm 2,400 mg/m3
		CAD BC OEL	TWA	250 ppm
		CAD BC OEL	STEL	500 ppm
		CAD ON OEL	TWA	500 ppm
propan-1-ol; n-propanol	71-23-8	CAD ON OEL	STEL	750 ppm
		OEL (QUE)	TWA	200 ppm 492 mg/m3
		OEL (QUE)	STEL	250 ppm 614 mg/m3
		CAD AB OEL	TWA	200 ppm 492 mg/m3
		CAD AB OEL	STEL	250 ppm 614 mg/m3
		CAD BC OEL	TWA	200 ppm
		CAD BC OEL	STEL	400 ppm
propane	74-98-6	CAD ON OEL	TWA	200 ppm 490 mg/m3
		CAD ON OEL	STEL	250 ppm 615 mg/m3
		OEL (QUE)	TWA	1,000 ppm 1,800 mg/m3
		CAD AB OEL	TWA	1,000 ppm 1,800 mg/m3
		CAD AB OEL	TWA	1,000 ppm 1,800 mg/m3

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		CAD AB OEL	STEL	1,500 ppm 2,700 mg/m3
		CAD BC OEL	TWA	1,000 ppm
		CAD ON OEL	TWA	1,000 ppm
butane	106-97-8	CAD AB OEL	TWA	800 ppm 1,900 mg/m3
		CAD BC OEL	TWA	600 ppm
		CAD BC OEL	STEL	750 ppm
		OEL (QUE)	TWA	800 ppm 1,900 mg/m3
		CAD ON OEL	TWA	800 ppm 1,900 mg/m3
2-methylpropan-1-ol; iso-butanol	78-83-1	OEL (QUE)	TWA	50 ppm 152 mg/m3
		CAD AB OEL	TWA	50 ppm 152 mg/m3
		CAD BC OEL	TWA	50 ppm
		CAD ON OEL	TWA	50 ppm 150 mg/m3
2-methoxy-1-methylethyl acetate	108-65-6	CAD BC OEL	TWA	50 ppm
		CAD BC OEL	STEL	75 ppm
		CAD ON OEL	TWA	50 ppm 270 mg/m3
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	OEL (QUE)	TWA	100 ppm 369 mg/m3
		OEL (QUE)	STEL	150 ppm 553 mg/m3
		CAD AB OEL	TWA	100 ppm 369 mg/m3
		CAD AB OEL	STEL	150 ppm 553 mg/m3
		CAD BC OEL	TWA	50 ppm
		CAD BC OEL	STEL	75 ppm
		CAD ON OEL	TWA	100 ppm 365 mg/m3
		CAD ON OEL	STEL	150 ppm 550 mg/m3
xylene	1330-20-7	OEL (QUE)	TWA	100 ppm 434 mg/m3
		OEL (QUE)	STEL	150 ppm 651 mg/m3
		CAD AB OEL	TWA	100 ppm 434 mg/m3
		CAD AB OEL	STEL	150 ppm 651 mg/m3
		CAD BC OEL	TWA	100 ppm
		CAD BC OEL	TWA	0.5 ppm
		CAD BC OEL	STEL	150 ppm
		CAD ON OEL	TWA	100 ppm 435 mg/m3
		CAD ON OEL	STEL	150 ppm 650 mg/m3

- Engineering measures : Provide adequate ventilation.
- Eye protection : Safety glasses
- Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Skin and body protection : impervious clothing
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory

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Hygiene measures : equipment.
respirator with ABEK filter

Hygiene measures : Do not inhale aerosol.
When using do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.
Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : aerosol

Odour : characteristic

Flash point : < 0 °C (< 32 °F)

Ignition temperature : 365 °C (689 °F)

Thermal decomposition : Heating can release hazardous gases., Fire or intense heat may cause violent rupture of packages.

Lower explosion limit : 1.4 %(V)

Upper explosion limit : 8.5 %(V)

Vapour pressure : 3.6 hPa
at 20 °C (68 °F)

Density : 0.85 g/cm³
at ca.20 °C (68 °F)

Volatile organic compounds (VOC) content : 29.79 %

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Heat, flames and sparks.

Materials to avoid : Strong acids and strong bases
Oxidizing agents

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- Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
- Thermal decomposition : Heating can release hazardous gases. Fire or intense heat may cause violent rupture of packages.
- Hazardous reactions : Vapours may form explosive mixture with air.
Note: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

- Acute inhalation toxicity : Irritating to respiratory system.
- Skin irritation : Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
- Eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.
Strong lachrymation can make it difficult to escape
- Carcinogenicity : No data is available on the product itself.
Toxicity to reproduction : No data is available on the product itself.
Teratogenicity : No data is available on the product itself.
Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Liver and kidney injuries may occur.
Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a pulmonary oedema or pneumonia.

Component:

acetone; propan-2-one; propanone 67-64-1

Acute oral toxicity: LD50 rat
Dose: 5,800 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 20,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 70 mg/l
Exposure time: 4 h

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Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.
Eye irritation: Classification: Irritating to eyes.
Result: Moderate eye irritation

propan-1-ol; n-propanol 71-23-8

Acute oral toxicity: LD50 rat
Dose: 1,870 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 4,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: > 34 mg/l
Exposure time: 4 h

Eye irritation: Classification: Irritating to eyes.
Result: Risk of serious damage to eyes.

propane 74-98-6

Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

2-methylpropan-1-ol; iso-butanol 78-83-1

Acute oral toxicity: LD50 rat
Dose: > 2,830 mg/kg

Acute dermal toxicity: LD50 rat
Dose: > 2,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: > 24 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Eye irritation

2-methoxy-1-methylethyl acetate 108-65-6

Acute oral toxicity: LD50 mouse
Dose: 8,532 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 7,500 mg/kg

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

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1-methoxy-2-propanol;
monopropylene glycol methyl ether

107-98-2

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 11,000 mg/kg

Acute inhalation toxicity: LC50 rat
Dose: 40 mg/l
Exposure time: 4 h

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX) : not included

Volatile organic compounds (VOC) content : 29.79 %

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

Component:

propan-1-ol; n-propanol

71-23-8

Toxicity to fish:
LC50

Species: Pimephales promelas (fathead minnow)
Dose: 4,480 mg/l
Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:
EC50

Species: Daphnia magna (Water flea)
Dose: 3,642 mg/l
Exposure time: 48 h

2-methylpropan-1-ol; iso-butanol

78-83-1

Toxicity to fish:
LC50

Species: Pimephales promelas (fathead minnow)
Dose: 1,430 mg/l
Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:
EC50

Species: Daphnia magna (Water flea)
Dose: 1,439 mg/l
Exposure time: 48 h

1-methoxy-2-propanol;

107-98-2

Toxicity to fish:

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monopropylene glycol methyl
ether

LC50
Species: Pimephales promelas (fathead minnow)
Dose: 20,800 mg/l
Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50
Species: Daphnia magna (Water flea)
Dose: > 500 mg/l
Exposure time: 48 h

Toxicity to algae:

IC50
Species: Selenastrum capricornutum
Dose: > 1,000 mg/l
Exposure time: 72 h

SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.
Please ensure aerosol cans are sprayed completely empty
(including propellant)
Containers that have not been emptied in compliance with
regulations are regarded as hazardous waste.

SECTION 14. TRANSPORT INFORMATION

DOT 49 CFR

Proper shipping name : AEROSOLS
UN-No. : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

TDGR

Proper shipping name : AEROSOLS
UN-No. : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

ICAO / IATA-DGR

UN UN-No. : 1950

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Description of the goods : AEROSOLS
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (passenger aircraft) : Y203

IMDG-Code

UN-No. : UN 1950
Description of the goods : AEROSOLS
Class : 2.1
IMDG-Labels : 2.1
EmS Number : F-D S-U
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

TSCA Status : On TSCA Inventory

DSL Status : All components of this product are on the Canadian DSL list.

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Classification : B5 Flammable Aerosol
Flammable Aerosol

D2B Toxic Material Causing Other Toxic Effects
Moderate skin irritant
Moderate respiratory irritant
Severe eye irritant

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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SECTION 16. OTHER INFORMATION

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by : TechniData BCS GmbH
Birlenbacher Str. 19
D-57078 Siegen
Germany
Telephone: +49-(0)271-88072-0
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