

flints.co.uk
FLINTS
Theatrical Chandlers
SAFETY DATA SHEET
FLINTS RAPID ONE PACK ETCH PRIMER

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

1.1. Product identifier

Product name FLINTS RAPID ONE PACK ETCH PRIMER
Product ID PAT115 & PAT116
Container size 5 litre container

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

1.3. Details of the supplier of the safety data sheet

Supplier Flints Theatrical Chandlers
 39 Queens Row
 London
 SE17 2PX
 T: +44 (0)20 7703 9786

Contact person e-mail: sales@flints.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0)20 703 9786 (09.00-18.00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226
Health hazards Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336 STOT SE 3 - H335, H336
Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R41, R37/38. N; R51/53. R10, R67

Environmental The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Physicochemical Heating may generate flammable vapours. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram



Signal word

Danger

FLINTS RAPID ONE PACK ETCH PRIMER

Hazard statements	<p>H226 Flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention. P501 Dispose of contents/container in accordance with national regulations.</p>
Contains	BUTANOL-norm, PROPAN-2-OL, 1-METHOXY-2-PROPANOL, ISO-BUTANOL, PHENOL
Supplementary precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P330 Rinse mouth. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

FLINTS RAPID ONE PACK ETCH PRIMER

BUTANOL-norm	30-60%
CAS number: 71-36-3	EC number: 200-751-6
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336 STOT SE 3 - H335, H336	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R22 Xi;R37/38,R41 R67
PROPAN-2-OL	10-30%
CAS number: 67-63-0	EC number: 200-661-7
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R67
1-METHOXY-2-PROPANOL	10-30%
CAS number: 107-98-2	EC number: 203-539-1
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 STOT SE 3 - H336 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) R10 R67
TRIZINC BIS(ORTHOPHOSPHATE)	1-5%
CAS number: 7779-90-0	EC number: 231-944-3
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) N;R50/53
ISO-BUTANOL	1-5%
CAS number: 78-83-1	EC number: 201-148-0
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336	Classification (67/548/EEC or 1999/45/EC) R10 Xi;R37/38,R41 R67

FLINTS RAPID ONE PACK ETCH PRIMER

ZINC OXIDE	<1%
CAS number: 1314-13-2	EC number: 215-222-5
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) N;R50/53

PHENOL	<1%
CAS number: 108-95-2	EC number: 203-632-7
Classification Skin Corr. 1B - H314 STOT RE 2 - H373 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Muta. 2 - H341 Acute Tox. 3 - H331 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Muta. Cat. 3;R68 T;R23/24/25 C;R34 Xn;R48/20/21/22

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention. Show this Safety Data Sheet to the medical personnel. May cause permanent damage if eye is not immediately irrigated.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is flammable. Heating may generate flammable vapours. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

FIRWOOD 90 RAPID DRY CHROMATE FREE ETCH PRIMER

5.3. Advice for firefighters

Protective actions during firefighting Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BUTANOL-norm

Long-term exposure limit (8-hour TWA): WEL

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 154 mg/m³(Sk)

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 375 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 560 mg/m³(Sk)

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

WEL = Workplace Exposure Limit

FLINTS RAPID ONE PACK ETCH PRIMER

Ingredient comments

WEL = Workplace Exposure Limits

BUTANOL-norm (CAS: 71-36-3)

DNEL	Workers - Inhalation; Long term local effects: 310 mg/m ³ Consumer - Oral; Long term systemic effects: 3.125 mg/kg/day Consumer - Inhalation; Long term local effects: 55 mg/m ³
PNEC	- Fresh water; 0.082 mg/l - Marine water; 0.0082 mg/l - Intermittent release; 2.25 mg/l - STP; 2476 mg/l - Sediment (Freshwater); 0.178 mg/kg - Sediment (Marinewater); 0.0178 mg/kg - Soil; 0.015 mg/kg

PROPAN-2-OL (CAS: 67-63-0)

DNEL	Industry - Dermal; Long term systemic effects: 888 mg/kg/day Industry - Inhalation; Long term systemic effects: 500 mg/m ³ Consumer - Dermal; Long term systemic effects: 319 mg/kg/day Consumer - Oral; Long term systemic effects: 26 mg/kg/day Consumer - Inhalation; Long term systemic effects: 89 mg/m ³
PNEC	- Fresh water, Marine water, Intermittent release; 140.9 mg/l - Sediment (Freshwater), Sediment (Marinewater); 552 mg/kg - STP; 2251 mg/l - Soil; 28 mg/kg

1-METHOXY-2-PROPANOL (CAS: 107-98-2)

DNEL	Industry - Inhalation; Short term local effects: 553.5 mg/m ³ Industry - Dermal; Long term systemic effects: 50.6 mg/kg/day Industry - Inhalation; Long term systemic effects: 369 mg/m ³ Consumer - Dermal; Long term systemic effects: 18.1 mg/kg/day Consumer - Inhalation; Long term systemic effects: 43.9 mg/m ³ Consumer - Oral; Long term systemic effects: 3.3 mg/kg/day
PNEC	- Fresh water; 10 mg/l - Marine water; 1 mg/l - STP; 100 mg/l - Sediment (Freshwater); 41.6 mg/kg - Sediment (Marinewater); 4.17 mg/kg - Soil; 2.47 mg/kg - Intermittent release; 100 mg/l

TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)

DNEL	Workers - Inhalation; Long term systemic effects: 5 mg/m ³ Workers - Dermal; Long term systemic effects: 83 mg/kg/day Consumer - Dermal; Long term systemic effects: 83 mg/kg/day Consumer - Inhalation; Long term systemic effects: 2.5 mg/m ³ Consumer - Oral; Long term : 0.83 mg/kg/day
-------------	---

FLINTS RAPID ONE PACK ETCH PRIMER

PNEC	- Fresh water; 0.0206 mg/l
	- Marine water; 0.0061 mg/l
	- Sediment (Freshwater); 117.8 mg/kg
	- Sediment (Marinewater); 56.5 mg/kg
	- Soil; 35.6 mg/kg
	- STP; 0.1 mg/l

ISO-BUTANOL (CAS: 78-83-1)

DNEL	Workers - Inhalation; Long term local effects: 310 mg/m ³
	Consumer - Inhalation; Long term local effects: 55 mg/m ³
	Consumer - Oral; Long term local effects: 25 mg/kg

PNEC	- Fresh water; 0.4 mg/l
	- Marine water; 0.04 mg/l
	- Intermittent release; 11 mg/l
	- Sediment (Freshwater); 1.52 mg/kg
	- Sediment (Marinewater); 0.152 mg/kg
	- Soil; 0.0699 mg/kg
- STP; 10 mg/l	

ZINC OXIDE (CAS: 1314-13-2)

DNEL	Workers - Inhalation; Long term systemic effects: 5 mg/m ³
	Workers - Dermal; Long term systemic effects: 83 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 83 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 2.5 mg/m ³
	Consumer - Oral; Long term : 0.83 mg/kg/day

PNEC	- Fresh water; 0.0206 mg/l
	- Marine water; 0.0061 mg/l
	- Sediment (Freshwater); 117.8 mg/kg
	- Sediment (Marinewater); 56.5 mg/kg
	- Soil; 35.6 mg/kg
	- STP; 0.1 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Use protective gloves.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

FLINTS RAPID ONE PACK ETCH PRIMER

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odour	Alcoholic.
Initial boiling point and range	82 - 119 @°C @ 760 mm Hg
Flash point	24°C CC (Closed cup).
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.8
Vapour density	>1
Relative density	0.84 - 0.96 @ @ 20°C
Solubility(ies)	Slightly soluble in water.
Viscosity	100 - 150 cP @ 25°C

9.2. Other information

Volatility	88
Volatile organic compound	This product contains a maximum VOC content of <700 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
------------------	--

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Avoid heat. Avoid contact with the following materials: Strong oxidising agents.
----------------------------	--

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
---	--

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	1,225.92287474
-------------------------	----------------

Acute toxicity - dermal

ATE dermal (mg/kg)	11,761.0161518
---------------------------	----------------

Acute toxicity - inhalation

ATE inhalation (gases ppm)	187,768.24034335
-----------------------------------	------------------

ATE inhalation (vapours mg/l)	804.72103004
--------------------------------------	--------------

FLINTS RAPID ONE PACK ETCH PRIMER

ATE inhalation (dusts/mists mg/l) 134.12017167

Inhalation Vapours irritate the respiratory system. May cause coughing and difficulties in breathing. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

Ingestion Harmful if swallowed. May cause nausea, headache, dizziness and intoxication.

Skin contact Prolonged or repeated exposure may cause severe irritation.

Eye contact Severe irritation, burning and tearing. Risk of serious damage to eyes.

Target organs Skin Eyes Respiratory system, lungs

Toxicological information on ingredients.

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,840.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 16.4

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 10.0

Species Rat

1-METHOXY-2-PROPANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 4,016.0

Species Rat

ATE oral (mg/kg) 4,016.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

ATE dermal (mg/kg) 2,000.0

TRIZINC BIS(ORTHOPHOSPHATE)

Acute toxicity - oral

FLINTS RAPID ONE PACK ETCH PRIMER

Acute toxicity oral (LD₅₀
mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ dust/mist mg/l) 5.7

Species Rat

ATE inhalation
(dusts/mists mg/l) 5.7

ZINC OXIDE

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 15,000.0

Species Rat

ATE oral (mg/kg) 15,000.0

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ dust/mist mg/l) 5.7

Species Rat

ATE inhalation
(dusts/mists mg/l) 5.7

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Ecological information on ingredients.

BUTANOL-norm

Acute toxicity - fish LC₅₀, 96 hours: 1000 mg/l, Fish
LC₅₀, 96 hours: 1740 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1983 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >500 mg/l, Algae

PROPAN-2-OL

Acute toxicity - fish LC₅₀, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

FLINTS RAPID ONE PACK ETCH PRIMER

Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: >1000 , Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >1000 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC ₅₀ , : >1000 mg/l, Activated sludge

1-METHOXY-2-PROPANOL

Acute toxicity - fish	LC ₅₀ , 96 hours: 6812 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >21100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 7 days: >1000 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: >1000 mg/l, Activated sludge

TRIZINC BIS(ORTHOPHOSPHATE)

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

ISO-BUTANOL

Acute toxicity - fish	LC ₅₀ , 96 hours: 1120 - 1520 mg/l, Onchorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: 1370 - 1670 mg/l, Pimephales promelas (Fat-head Minnow) LC ₅₀ , 96 hours: 1480 - 1730 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1300 mg/l, Daphnia magna

ZINC OXIDE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

NOEC 0.01 < NOEC ≤ 0.1

Degradability Non-rapidly degradable

M factor (Chronic) 1

FLINTS RAPID ONE PACK ETCH PRIMER

PHENOL

Acute toxicity - fish	LC ₅₀ , 96 hours: 11.9 - 25.3 mg/l, <i>Lepomis macrochirus</i> (Bluegill)
	LC ₅₀ , 96 hours: 24.5 mg/l, <i>Pimephales promelas</i> (Fat-head Minnow)
	LC ₅₀ , 96 hours: 33.9 - 43.3 mg/l, <i>Oryzias latipes</i> (Red killifish)
	LC ₅₀ , 96 hours: 34.09 - 47.64 mg/l, <i>Poecilia reticulata</i> (Guppy)
	LC ₅₀ , 96 hours: 8.9 mg/l, <i>Onchorhynchus mykiss</i> (Rainbow trout)
	LC ₅₀ , 96 hours: 27.8 mg/l, <i>Brachydanio rerio</i> (Zebra Fish)
Acute toxicity - aquatic invertebrates	LC ₅₀ , 48 hours: 10.2 - 15.5 mg/l, <i>Daphnia magna</i>
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 187 - 279 mg/l, <i>Desmodesmus subspicatus</i>
	EC ₅₀ , 96 hours: 46.42 mg/l, <i>Pseudokirchneriella subcapitata</i>

12.2. Persistence and degradability

Ecological information on ingredients.

PROPAN-2-OL

Biodegradation	- Degradation 95%: 21 days
-----------------------	----------------------------

1-METHOXY-2-PROPANOL

Biodegradation	- Degradation 96: 28 days
-----------------------	---------------------------

12.3. Bioaccumulative potential

Ecological information on ingredients.

PROPAN-2-OL

Partition coefficient	log Pow: 0.05
------------------------------	---------------

1-METHOXY-2-PROPANOL

Partition coefficient	log Kow: -0.43
------------------------------	----------------

12.4. Mobility in soil

Ecological information on ingredients.

PROPAN-2-OL

Adsorption/desorption coefficient	Soil - Kow: ~ 1.1 @ °C
--	------------------------

Henry's law constant	.00000338 atm m ³ /mol @ 25°C
-----------------------------	--

1-METHOXY-2-PROPANOL

Adsorption/desorption coefficient	Soil - : ~ 0.6 @ °C
--	---------------------

Henry's law constant	~ 0.0000014 atm m ³ /mol @ °C
-----------------------------	--

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

FLINTS RAPID ONE PACK ETCH PRIMER

PROPAN-2-OL

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

1-METHOXY-2-PROPANOL

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT (TRIZINC BIS(ORTHOPHOSPHATE)*2-4H2O)
Proper shipping name (IMDG)	PAINT (TRIZINC BIS(ORTHOPHOSPHATE)*2-4H2O)
Proper shipping name (ICAO)	PAINT (TRIZINC BIS(ORTHOPHOSPHATE)*2-4H2O)
Proper shipping name (ADN)	PAINT (TRIZINC BIS(ORTHOPHOSPHATE)*2-4H2O)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID subsidiary risk	
ADR/RID label	3
IMDG class	3
IMDG subsidiary risk	
ICAO class/division	3
ICAO subsidiary risk	

Transport labels



FLINTS RAPID ONE PACK ETCH PRIMER

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-E
Emergency Action Code	3YE
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended)
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	14/07/2015
Revision	2
Supersedes date	12/09/2009
SDS number	10187
SDS status	Approved.

FLINTS RAPID ONE PACK ETCH PRIMER

Risk phrases in full

R10 Flammable.
R22 Harmful if swallowed.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.
R68 Possible risk of irreversible effects.
R11 Highly flammable

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.