SAFETY DATA SHEET

Etch Primer Beige Aerosol

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

1.1. Product identifier

Product name Etch Primer Beige Aerosol

Product number T3601

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

Identified uses Primer.

1.3. Details of the supplier of the safety data sheet

Supplier

International Applications Limited
18 Wildmere Road
Wildmere Industrial Estate
Banbury
Oxfordshire
OX16 3JU
Tel: +44 (0) 1206 274004
Fax: +44 (0) 1206 211268
Email: sales@intenational-applications.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1206 274004 (Hours 08:30 - 17:00 Mon to Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Aerosol 1 - H222, H229

Health hazards

Eye Dam. 1 - H318 STOT SE 3 - H336

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

F+; R12. Xi; R41. R66, R67

Human health

Vapours and spray/mists in high concentrations are narcotic.

Environmental

The product is not expected to be hazardous to the environment.

Physicochemical

Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram

Etch Primer Beige Aerosol



Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.
P312 Call a POISON CENTER/doctor if you feel unwell.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains ACETONE, PROPAN-2-OL, BUTAN-1-OL, BUTANONE

Supplementary precautionary statements

P310 Immediately call a POISON CENTER/doctor.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIMETHYL ETHER	**30-60%**
CAS number: 115-10-6 **EC number:** 204-065-8	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	

Etch Primer Beige Aerosol

ACETONE **10-30%**

CAS number: 67-64-1 **EC number:** 200-662-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
STOT SE 3 - H336	

PROPAN-2-OL **10-30%**

CAS number: 67-63-0 **EC number:** 200-661-7 **REACH registration number:** 01-2119457558-25-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
STOT SE 3 - H336	

BUTAN-1-OL **5-10%**

CAS number: 71-36-3 **EC number:** 200-751-6

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
STOT SE 3 - H335, H336	

XYLENE **1-5%**

CAS number: 1330-20-7 **EC number:** 215-535-7 **REACH registration number:** 01-2119488216-32-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn; R65, R48/20/21/22, R20/21. Xi; R36/37/38. R10
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	

BUTANONE **1-5%**

CAS number: 78-93-3 **EC number:** 201-159-0

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
STOT SE 3 - H336	

Etch Primer Beige Aerosol

phosphoric acid, orthophosphoric acid **CAS number:** 7664-38-2 **EC number:** 231-633-2	**<1%**
Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	**Classification (67/548/EEC or 1999/45/EC)**

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 and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.

Ingestion

Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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

General information

See Section 11 for additional information on health hazards.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains.

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 in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Etch Primer Beige Aerosol

DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): 400 ppm
Short-term exposure limit (15-minute): 500 ppm

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m3
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m3

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

BUTAN-1-OL

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

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m3
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m3
Sk

BUTANONE

Short-term exposure limit (15-minute): WEL 899 mg/m3 300 ppm
Long-term exposure limit (8-hour TWA): WEL 600 mg/m3 200 ppm

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Etch Primer Beige Aerosol

DIMETHYL ETHER (CAS: 115-10-6)

DNEL	Workers - Inhalation; Long term systemic effects: 1894 mg/m³ Consumer - Inhalation; Long term systemic effects: 471 mg/m³
PNEC	- Fresh water; 0.155 mg/l - Marine water; 0.016 mg/l - Intermittent release; 1.549 mg/l - Sediment (Freshwater); 0.681 mg/kg - Sediment (Marinewater); 0.069 mg/kg - STP; 160 mg/l - Soil; 0.045 mg/kg

ACETONE (CAS: 67-64-1)

DNEL	Workers - Dermal; Long term systemic effects: 186 mg/kg/day Workers - Inhalation; Short term local effects: 2420 mg/m³ Workers - Inhalation; Long term systemic effects: 1210 mg/m³
PNEC	- Sediment (Freshwater); 30.4 mg/kg - Sediment (Marinewater); 3.04 mg/kg - Marine water; 1.06 mg/l - Soil; 29.5 mg/kg

BUTAN-1-OL (CAS: 71-36-3)

DNEL	Consumer - Oral; Long term systemic effects: 3.125 mg/kg/day Consumer - Inhalation; Long term local effects: 55 mg/m³ Workers - Inhalation; Long term local effects: 310 mg/m³
PNEC	- Fresh water; 0.082 mg/l - Sediment (Freshwater); 0.178 mg/kg - Intermittent release; 2.25 mg/l - Sediment (Marinewater); 0.0178 mg/kg - Marine water; 0.0082 mg/l - STP; 2476 mg/l - Soil; 0.015 mg/kg

XYLENE (CAS: 1330-20-7)

DNEL	Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Workers - Dermal; Long term systemic effects: 180 mg/kg/day Consumer - Inhalation; Short term local effects: 174 mg/m³ Consumer - Inhalation; Short term systemic effects: 174 mg/m³ Workers - Inhalation; Short term systemic effects: 289 mg/m³ Workers - Inhalation; Short term local effects: 289 mg/m³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³ Workers - Inhalation; Long term systemic effects: 77 mg/m³

BUTANONE (CAS: 78-93-3)

DNEL	Consumer - Dermal; Long term systemic effects: 412 mg/kg/day Consumer - Oral; Long term systemic effects: 31 mg/kg/day Workers - Dermal; Long term systemic effects: 1161 mg/kg/day Consumer - Inhalation; Long term systemic effects: 106 mg/m³ Workers - Inhalation; Long term systemic effects: 600 mg/m³
PNEC	- Fresh water; 55.8 mg/l - Sediment (Freshwater); 284.7 mg/kg - Intermittent release; 55.8 mg/l - Sediment (Marinewater); 284.7 mg/kg - Marine water; 55.8 mg/l - STP; 709 mg/l - Soil; 22.5 mg/kg

8.2. Exposure controls

Etch Primer Beige Aerosol

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection
No specific hand protection recommended.

Other skin and body protection
Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Respiratory protection
No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Aerosol.

Colour
Grey.

Odour
Solvent.

Odour threshold
No information available.

pH
No information available.

Melting point
No information available.

Initial boiling point and range
-25 (-25 TO 138)°C @

Flash point
-41°C CC (Closed cup).

Evaporation rate
No information available.

Evaporation factor
No information available.

Flammability (solid, gas)
No information available.

Upper/lower flammability or explosive limits
Lower flammable/explosive limit: 0.8 % Upper flammable/explosive limit: 32.0 %

Vapour pressure
No information available.

Vapour density
No information available.

Relative density
0.79

Solubility(ies)
Insoluble in water.

Partition coefficient
No information available.

Auto-ignition temperature
226°C

Decomposition Temperature

No information available.

Viscosity

No information available.

Oxidising properties

No information available.

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability

The product may not be stable under some conditions of storage or use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

None known.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

8,771.92982456

Acute toxicity - dermal

ATE dermal (mg/kg)

28947.36842105

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)

289.47368421

Inhalation

May cause drowsiness or dizziness. Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Causes serious eye damage.

Acute and chronic health hazards

No known chronic or acute health risks.

Route of entry

Etch Primer Beige Aerosol

Inhalation Skin and/or eye contact

Toxicological information on ingredients.

DIMETHYL ETHER

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 gases ppmV)

164000.0

Species

Rat

ATE inhalation (gases ppm)

164000.0

ACETONE

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,800.0

Species

Rat

ATE oral (mg/kg)

5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

7800.0

Species

Rabbit

ATE dermal (mg/kg)

7800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

21.0

Species

Rat

ATE inhalation (vapours mg/l)

21.0

Etch Primer Beige Aerosol

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)
5,045.0

Species
Rat

ATE oral (mg/kg)
5,045.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)
12800.0

Species
Rabbit

ATE dermal (mg/kg)
12800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)
30.0

Species
Rat

ATE inhalation (vapours mg/l)
30.0

BUTAN-1-OL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)
2,001.0

Species
Rat

ATE oral (mg/kg)
500.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)
3430.0

Species
Rabbit

ATE dermal (mg/kg)
3430.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)
20.1

Species
Rat

ATE inhalation (vapours mg/l)
20.1

Etch Primer Beige Aerosol

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)
4,300.0

Species
Rat

ATE oral (mg/kg)
4,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)
3200.0

Species
Rabbit

ATE dermal (mg/kg)
1100

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)
11.0

BUTANONE

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)
2,194.0

Species
Rat

ATE oral (mg/kg)
2,194.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)
5001.0

Species
Rabbit

ATE dermal (mg/kg)
5001.0

SECTION 12: Ecological Information

12.1. Toxicity

Etch Primer Beige Aerosol

Ecological information on ingredients.

DIMETHYL ETHER

Acute toxicity - fish

LC_{50}, 96 hours: 4001 mg/l, Poecilia reticulata (Guppy)

Acute toxicity - aquatic invertebrates

EC_{50}, 48 hours: 4001 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 96 hours: 154.9 mg/l, Algae

ACETONE

Acute toxicity - fish

EC_{50}, 96 hours: 8300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates

EC_{50}, : 8800 mg/l, Daphnia magna

PROPAN-2-OL

Acute toxicity - fish

LC_{50}, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC_{50}, 48 hours: 13299 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 72 hours: >1 mg/l, Desmodesmus subspicatus

BUTAN-1-OL

Acute toxicity - fish

LC_{50}, 96 hours: 1376 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

LC_{50}, 96 hours: 1328 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 96 hours: 225 mg/l, Selenastrum capricornutum

XYLENE

Acute toxicity - fish

LOEC, : >1 - <10 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : >1 - <10 mg/l, Algae

BUTANONE

Acute toxicity - fish

LC_{50}, 24 hours: 5001 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : 101 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of waste product or used containers in accordance with local regulations

Disposal methods

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U

Etch Primer Beige Aerosol

ADR transport category 2

Tunnel restriction code (D)

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

Not applicable.

SECTION 15: Regulatory information

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

National regulations

The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). 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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 12/12/2014

Revision 1

SDS number 5189

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated
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.
H314 Causes severe skin burns and eye damage.
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.
H373 May cause damage to organs through prolonged or repeated exposure.