

SAFETY DATA SHEET

Date issued 25/06/2013

EPP000002 : 1K Air Dry Etch Primer Black



Flammable



Harmful



Environment.

or



Transport:

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	EPP000002	Product Name	1K Air Dry Etch Primer Black		
CAS No.	Not applicable	EU Index No	Not applicable	UN No	1263
Recommended use	A paint or paint constituent product				
Emergency contact	(Tel): +27(0) 41 4011400				

SECTION 2. HAZARDS IDENTIFICATION

Overall Nature HAZARDOUS SUBSTANCE. DANGEROUS GOODS

Chemical Class PAINT PRODUCT

Comment OEL Type : Mixture - See tables in Sections 3 and 8

Classification reference **SABS0265 (Directives 67/548/EEC or 1999/45/EC):**
Danger symbol F Xn N : highly flammable ,harmful ,dangerous for the environment

R Phrases R63,11,22,48/20,65,36/37/38,41,66,67,50/53

S Phrases S02,13,16,26,39,43A,51,56,59,62

Classification reference **SANS10234 (1272/2008/EC):**
Signal word Danger

Pictograms GHS08;GHS02;GHS05;GHS09

Repr. 2	H361d	Suspected of damaging the unborn child.
Flam. Liq. 2	H225	Highly flammable liquid and vapour
Acute Tox. 4	H302	Harmful if swallowed
STOT RE 2	H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure....
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways
Eye Dam/Irrit 2	H319	Causes serious eye irritation
STOT SE 3	H335	May cause respiratory irritation
Skin Corr/Irrit. 2	H315	Causes skin irritation
Eye Dam/Irrit 1	H318	Causes serious eye damage
	EUH066	Repeated exposure may cause skin dryness or cracking
STOT SE 3	H336	May cause drowsiness or dizziness
Aquatic. Acute 1	H400	Very toxic to aquatic life
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects

HMIS Rating (USA) 2 - 4 - 0 - 1 (Health-Flam-Reactivity-PPE)

SAPMA Health Rating 2-MODERATE - Temporary or minor injury possible even if treatment given

Inhalation HARMFUL. Excessive exposure to this material must be avoided.

Skin Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

Eyes Irritating - may cause damage if not given prompt attention.

Ingestion Harmful. May cause lung damage if swallowed.

MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 3. (EC/CHIP2)

May have short term environmental effects. Contain, monitor & remove

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Labels	CAS Number	EC Index
TOLUENE	<30 %	F Xn	000108-88-3	601-021-00-3
PROPAN-2-OL	<15 %	F Xi	000067-63-0	603-003-00-0
N-BUTANOL	<8 %	Xn	000071-36-3	603-004-00-6
Trizinc bis(orthophosphate)	<4 %	N	007779-90-0	030-011-00-6
ORTHO-PHOSPHORIC ACID - CONC	<1 %	C	007664-38-2	015-011-00-6
SOLVENT NAPHTHA (ARO1) C6H6<0.1	<10 %	Xn	064742-95-6	649-356-00-4
METHYL ISO BUTYL KETONE	<0.1 %	F Xn	000108-10-1	606-004-00-4
XYLENE	<2 %	Xn	001330-20-7	601-022-00-9

EC Classification reference SABS0265 (Directives 67/548/EEC or 1999/45/EC):

EC Index	Classification
601-021-00-3	F Xn : R11,38,48/20,63,65,67
603-003-00-0	F Xi : R11,41,67
603-004-00-6	Xn : R10,22,37/38,41,67
030-011-00-6	N : R50/53
015-011-00-6	C : R34
649-356-00-4	Xn : R10,65
606-004-00-4	F Xn : R11,20,36/37,66
601-022-00-9	Xn : R10,20/21,38

Classification reference SANS10234 (1272/2008/EC):

EC Index	Classification Hazard Code
601-021-00-3	Flam. Liq. 2;Repr. 2;Asp. Tox. 1;STOT RE 2 *;Skin Irrit. 2;STOT SE 3 H225;H361d ***;H304;H373 **;H315;H336
603-003-00-0	Flam. Liq. 2;Eye Dam. 1;STOT SE 3 H225;H318;H336
603-004-00-6	Flam. Liq. 3;Acute Tox. 4 *;STOT SE 3;Skin Irrit. 2;Eye Dam. 1;STOT SE 3 H226;H302;H335;H315;H318;H336
030-011-00-6	Aquatic Acute 1;Aquatic Chronic 1 H400;H410
015-011-00-6	Skin Corr. 1B H314
649-356-00-4	Asp. Tox. 1 H304
606-004-00-4	Flam. Liq. 2;Acute Tox. 4 *;Eye Irrit. 2;STOT SE 3 H225;H332;H319;H335
601-022-00-9	Flam. Liq. 3;Acute Tox. 4 *;Acute Tox. 4 *;Skin Irrit. 2 H226;H332;H312;H315

SECTION 4. FIRST AID MEASURES

Inhalation	Move to fresh air. In case of discomfort seek medical attention.
Skin	Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.
Eyes	Rinse well with water and seek medical advice if discomfort persists.
Ingestion	DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Highly flammable with toxic fumes.
Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!
Foam. Dry powder. Fog to cool and control. Do NOT use water jets.
Cool containers in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Use an Inert NOT sawdust. Keep waste separate for disposal.
Contain & collect spillage with non – combustible absorbent materials, e.g sand, earth, vermiculite, diatomous earth and place in container for disposal according to local regulations. Clean preferably with detergent; avoid use of solvents

SECTION 7. HANDLING AND STORAGE

ACIDIC - CORROSIVE. Keep out of contact with metals & reactive substances. Store only in original containers
Store below 23 °C in a dry, well – ventilated place away from sources of heat, ignition and direct sunlight.
No open flames. No smoking. No sparks. Keep containers cool. Avoid free fall of liquid - use earthing. Subject to local bylaws

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	CAS Number	OEL (mg/m3)	OEL (ppm)	STOEL (mg/m3)	STOEL (ppm)	OEL Type
TOLUENE	000108-88-3	188	50	560	150	RL+ S
PROPAN-2-OL	000067-63-0	980	400	1225	500	RL
N-BUTANOL	000071-36-3	150	50	150	50	RL S
Trizinc bis(orthophosphate)	007779-90-0	10/4				T/R
ORTHO-PHOSPHORIC ACID - CONC	007664-38-2			2		RL
SOLVENT NAPHTHA (ARO1) C6H6<0.1	064742-95-6	1200				RL
METHYL ISO BUTYL KETONE	000108-10-1	205	50	300	75	RL+ S
XYLENE	001330-20-7	435	100	650	150	RL+ S

HMS Rating (USA)	2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)
SAPMA Rating	2-H-E PPE : Gloves, Respirator and Eye protection
Inhalation	In case of insufficient ventilation, use suitable respiratory protection.
Skin	AVOID CONTACT. Use impervious gloves, apron and boots.
Eyes	Avoid any form of direct contact. Do not touch eyes with dirty hands or gloves.
Ingestion	Observe the rules of hygiene. Wash before eating or drinking. OEL Type : Mixture - See tables in Sections 3 and 8

**SPRAYBOOTH**

Spraybooth Type	Spraybooth complying with National Standards
Skin PPE	Nitrile Gloves
Eyes PPE	Faceshield or solvent resistant goggles
Respiratory Protection	Air supplied full facepiece or head covering respirator suitable for organic vapours/particulates

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Black Viscous liquid
Odour	Pungent
Boiling point	>35°C
Flash point	<23°C
Relative Density	0.962 – 1.002
Viscosity	70 – 75 sec D4 @20°C

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions. Prone to ignite by static. Unstable to heat &/or slight reaction with water
Incompatible with/keep away from : explosives, UN class 2.3 gases, oxidising substances, organic peroxides, toxic and biohazardous substances

SECTION 11. TOXICOLOGICAL INFORMATION

MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 3. (EC/CHIP2)

Name	CAS Number	LD50 Oral	LD50 Skin	LC50 Inhal
TOLUENE	000108-88-3	>2000 mg (Rat)	>2000 mg (Rat)	
PROPAN-2-OL	000067-63-0	5840 mg (Rat)	16000 mg (Rabbit)	
N-BUTANOL	000071-36-3	750 mg (Rat)	3400 mg (Rabbit)	
Trizinc bis(orthophosphate)	007779-90-0			
ORTHO-PHOSPHORIC ACID - CONC	007664-38-2	15300		
SOLVENT NAPHTHA (ARO1) C6H6<0.1	064742-95-6	>5000 mg (Rat)		
METHYL ISO BUTYL KETONE	000108-10-1	2080 mg (Rat)		
XYLENE	001330-20-7	4300 mg (Rat)	>5000 mg (Rabbit)	

SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove

SECTION 13. DISPOSAL INFORMATION

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

SECTION 14. TRANSPORT INFORMATION

UN Number	1263		
Shipping Name	PAINT PRODUCT		
IMO Class	3.2	Packing Group	II
Action Code	127		
HazChem	3[Y]E		
Kemler Code	30		



SECTION 15. REGULATORY INFORMATION

EC Classification reference SABS0265 (Directives 67/548/EEC or 1999/45/EC):

EC Index Number EC no. : n/a

Classification and Labelling F Xn N : highly flammable ,harmful ,dangerous for the environment;
R63,11,22,48/20,65,36/37/38,41,66,67,50/53 ; S02,13,16,26,39,43A,51,56,59,62

Risk and Safety Phrases :

- R63 - Possible risk of harm to the unborn child.
- R11 - Highly Flammable
- R22 - Harmful if swallowed
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure
- R65 - Harmful: May cause lung damage if swallowed.
- R36/37/38 - Irritating to eyes, respiratory system and skin
- R41 - Risk of serious damage to eyes
- R66 - Repeated exposure may cause skin drying or cracking
- R67 - Vapours may cause drowsiness and dizziness.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S2 - Keep out of reach of children. (Retail sales items)
- S13 - Keep away from food, drink and animal feeding stuffs
- S16 - Keep away from sources of ignition - No smoking
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S39 - Wear eye/face protection
- S43A - In case of fire, use water fog, foam or powder - Do not use water jets!
- S51 - Use only in well ventilated areas
- S56 - Do not discharge into drains or the environment, dispose to an authorised waste collection point
- S59 - Refer to manufacturer/supplier for information on recovery/recycling
- S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.



Flammable



Harmful



Environment

Classification reference SANS10234 (1272/2008/EC):

EC Index Number EC no. : n/a

Classification and Labelling Danger ;GHS08;GHS02;GHS05;GHS09

;H361d;H225;H302;H373;H304;H319;H335;H315;H318;EUH066;H336;H400;H410

Hazard and Precautionary Statements :

H361d - Suspected of damaging the unborn child.

H225 - Highly flammable liquid and vapour

H302 - Harmful if swallowed

H373 - May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure....

H304 - May be fatal if swallowed and enters airways

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H315 - Causes skin irritation

H318 - Causes serious eye damage

EUH066 - Repeated exposure may cause skin dryness or cracking

H336 - May cause drowsiness or dizziness

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

P102 = Keep out of reach of children. : Consumer products

P210 = Keep away from heat/sparks/open flames/hot surfaces. – No smoking. : Manufacturer/supplier to specify applicable ignition source(s).

P271 = Use only outdoors or in a well-ventilated area. :

P280 = Wear protective gloves/protective clothing/eye protection/face protection. : Manufacturer/supplier to specify type of equipment.

P301+P330+P331 = IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. :

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 or doctor/physician if you feel unwell. :

P313 = Get medical advice/attention. :

P370+P378 = In case of fire: Use ... for extinction. : ... Manufacturer/supplier to specify appropriate media.

P501 = Dispose of contents/container to ... : ... in accordance with local/regional/ national/international regulation (to be specified).

**SECTION 16. OTHER INFORMATION**

POSSIBILITY OF SYSTEMIC EFFECTS - REPRODUCTIVE TOXICITY POTENTIAL.

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

ALERT WORKERS TO THIS HAZARD POTENTIAL AND ENSURE PRECAUTIONS ARE TAKEN.

Risk (R) phrases associated with components

R10 : Flammable

R11 : Highly Flammable

R20 : Harmful by inhalation

R20/21 : Harmful by inhalation and contact with the skin

R22 : Harmful if swallowed

R34 : Causes burns

R36/37 : Irritating to the eyes and respiratory system

R37/38 : Irritating to respiratory system and skin

R38 : Irritating to the skin

R41 : Risk of serious damage to eyes

R48/20 : Harmful: danger of serious damage to health by prolonged exposure

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R63 : Possible risk of harm to the unborn child.

R65 : Harmful: May cause lung damage if swallowed.

R66 : Repeated exposure may cause skin drying or cracking

R67 : Vapours may cause drowsiness and dizziness.

Hazard (H) phrases associated with components

H225 : Highly flammable liquid and vapour

H226 : Flammable liquid and vapour

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

H361d : Suspected of damaging the unborn child.

H373 : May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure....

H400 : Very toxic to aquatic life

H410 : Very toxic to aquatic life with long lasting effects

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)

OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)

SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)

All information is given in good faith but without guarantee in respect of accuracy.

No responsibility is accepted for errors or omissions or the consequences thereof.

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