

SECTION 1: Identification

1.1. Product identifier

Product form	: Mixture
Trade name	: Warrior One Pack Etch Primer (OPEP)
Type of product	: Paint
Product code	: FZIP140
Product group	: Trade product

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

No additional information available

1.3. Supplier's details

Manufacturer

Warrior Paints & Coatings
 45 Frans du Toit Street
 P.O. Box 911-1181
 0200 Rosslyn, Pretoria - South Africa
 T 12 5413596 - F +27 12 5411434
info@warriorpaints.co.za - www.warriorpaints.co.za

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Flammable liquids Not classified
 Acute toxicity (oral), Category 5 H303
 Acute toxicity (dermal), Category 5 H313
 Specific target organ toxicity — single exposure, Category 1 H370
 Hazardous to the aquatic environment — Acute Hazard, Category 3 H402
 Full text of H statements : see section 16

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS-ZA) :



GHS08

Signal word (GHS-ZA)	: Danger
Hazardous ingredients	: Phenol; Butanol; Propyl Alcohol; Butanone; Ethanol
Hazard statements (GHS-ZA)	: H303 - May be harmful if swallowed H313 - May be harmful in contact with skin H370 - Causes damage to organs. H402 - Harmful to aquatic life
Precautionary statements (GHS-ZA)	: P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment. P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor. P312 - Call a POISON CENTER or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label) P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Adverse physicochemical, human health and : Causes damage to organs,Harmful in contact with skin,Harmful if swallowed,Harmful to aquatic

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According to SANS 10234:2008 and SANS 11014:2010

environmental effects

life

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Propyl Alcohol	(CAS-No.) 71-23-8	30 - 50	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. 5 (Dermal), H313 Aquatic Acute Not classified Aquatic Chronic Not classified
Butanol	(CAS-No.) 71-36-3	5.3 - 21.2	Flam. Liq. 3, H226 Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:dust,mist) STOT SE 1, H370 Aquatic Acute Not classified Aquatic Chronic Not classified
Ethanol	(CAS-No.) 64-17-5	7 - 10	Flam. Liq. 2, H225 Acute Tox. Not classified (Inhalation:dust,mist) Aquatic Acute Not classified
Butanone	(CAS-No.) 78-93-3	1 - 5	Flam. Liq. 2, H225 Acute Tox. 5 (Oral), H303 Acute Tox. Not classified (Dermal) Acute Tox. Not classified (Inhalation:dust,mist) Aquatic Acute Not classified
Phenol	(CAS-No.) 203-632-7	1.2 - 3.6	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. Not classified (Inhalation:dust,mist) STOT SE 1, H370 Aquatic Acute 2, H401
Phosphoric Acid	(CAS-No.) 7664-38-2	0.1 - 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Acute Tox. Not classified (Inhalation:dust,mist) Skin Corr. 1, H314 Aquatic Acute 2, H401 Aquatic Chronic Not classified

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Dry powder. Foam.
Unsuitable extinguishing media	: Water.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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According to SANS 10234:2008 and SANS 11014:2010

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves
Eye protection : Safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : No data available
Odour : No data available
Odour threshold : No data available
pH : No data available
pH solution : No data available
Relative evaporation rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : 23 °C
Auto-ignition temperature : No data available
Decomposition temperature : No data available

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Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

ATE ZA (oral)	3783.836 mg/kg bodyweight
ATE ZA (dermal)	4498.432 mg/kg bodyweight

Phenol (203-632-7)	
LD50 oral rat	340 - 650 mg/kg
LD50 dermal rat	0.625 ml/kg
LC50 inhalation rat (mg/l)	900 mg/l/4h

Butanol (71-36-3)	
LD50 oral rat	2292 mg/kg
LD50 dermal rabbit	3430 mg/kg
LC50 inhalation rat (mg/l)	17.76 mg/l/4h

Propyl Alcohol (71-23-8)	
LD50 oral rat	8038 mg/kg
LD50 dermal rabbit	4049 mg/kg
LC50 inhalation rat (ppm)	13548 ppm/4h

Butanone (78-93-3)	
LD50 oral rat	2737 mg/kg
LD50 dermal rat	10 ml/kg

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Butanone (78-93-3)	
LD50 dermal rabbit	6480 mg/kg
LC50 inhalation rat (mg/l)	23500 mg/m ³
Ethanol (64-17-5)	
LD50 oral rat	1187 - 15010 mg/kg
LC50 inhalation rat (mg/l)	82.1 - 92.6 mg/l/4h
Phosphoric Acid (7664-38-2)	
LD50 oral rat	1530 mg/kg
LD50 dermal rabbit	2740 mg/kg
LD50 dermal	<
LC50 inhalation rat (mg/l)	850 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs.

Phenol (203-632-7)	
LOAEL (dermal, rat/rabbit)	260 mg/kg bodyweight
NOAEL (dermal, rat/rabbit)	130 mg/kg bodyweight

Butanol (71-36-3)	
LOAEL (oral, rat)	500 mg/kg bodyweight
NOAEL (oral, rat)	125 mg/kg bodyweight
NOAEC (inhalation, rat, gas)	500

STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life.
Acute aquatic toxicity	: Harmful to aquatic life.
Chronic aquatic toxicity	: Not classified

Phenol (203-632-7)	
LC50 fish 1	8.9 mg/kg
EC50 Daphnia 1	3.1 mg/l

Butanol (71-36-3)	
LC50 fish 1	1.376 g/l
EC50 Daphnia 1	1.328 g/l
EC50 72h algae (1)	225 mg/l
NOEC chronic fish	519 mg/l
NOEC chronic crustacea	415 mg/l

Propyl Alcohol (71-23-8)	
LC50 fish 1	4480 mg/l
EC50 Daphnia 1	3642 mg/l
EC50 72h algae (1)	9170 mg/l
NOEC (chronic)	68.3 mg/l
NOEC chronic algae	1.15 g/l

Butanone (78-93-3)	
LC50 fish 1	2.993 g/l
EC50 Daphnia 1	308 - 509 mg/l
EC50 72h algae (1)	1972 mg/l
Log Pow	0.3

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Ethanol (64-17-5)	
LC50 fish 1	14.2 - 15.4 g/l
EC50 Daphnia 1	10 g/l
EC50 72h algae (1)	675 - 2000 mg/l

Phosphoric Acid (7664-38-2)	
LC50 fish 1	3 - 3.25 mg/l
EC50 Daphnia 1	> 100 mg/l
EC50 72h algae (1)	> 100 mg/l
NOEC chronic algae	100 mg/l

12.2. Persistence and degradability

Warrior One Pack Etch Primer (OPEP)	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

Warrior One Pack Etch Primer (OPEP)	
Bioaccumulative potential	No additional information available

Butanone (78-93-3)	
Log Pow	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Warrior One Pack Etch Primer (OPEP)	
Mobility in soil	No additional information available

Butanone (78-93-3)	
Log Pow	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
	:	
No supplementary information available		

14.6. Special precautions for user

- SANS

No data available

- IMDG

No data available

- IATA

No data available

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According to SANS 10234:2008 and SANS 11014:2010

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

SECTION 16: Other information

Date of issue : 03/05/2021

Full text of H-statements:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid
H302	Harmful if swallowed.
H303	May be harmful if swallowed
H311	Toxic in contact with skin.
H313	May be harmful in contact with skin
H314	Causes severe skin burns and eye damage.
H370	Causes damage to organs.
H401	Toxic to aquatic life
H402	Harmful to aquatic life

SDS South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product