

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name:** BLACK PRIMER PAINT

**Article number:** P308

### 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

**Manufacturer/Supplier:** Tygris Industrial  
Unit 31  
Kyle Road Industrial Estate  
Irvine  
Ayshire  
KA12 8LE  
Tel +44 (0) 1294 311 066  
Fax +44 (0) 1294 277 115  
Email [technical@tygrisindustrial.com](mailto:technical@tygrisindustrial.com)

**Further information obtainable from:** Technical Department

**1.4 Emergency telephone number:** Tel +44 (0) 1294 311 066

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol.  
Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R36: Irritating to eyes.



F+; Extremely flammable

R12: Extremely flammable.



N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.  
Warning! Pressurised container.  
Has a narcotising effect.

Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**2.2. Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**



GHS02

GHS07

**Signal Word**

Danger

**Hazard-determining components of labelling**

Acetone  
N-Butyl Acetate  
Butan-1-ol

**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
P260 Do not breathe spray.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P211 Do not spray on an open flame or other ignition source.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with local regulations.

**Additional information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

**Results of PBT and vPvB assessment**

PBT: Not applicable.  
vPvB: Not applicable.

### 3. Composition/information on ingredients

#### 3.2 Chemical characterisation

Mixtures

#### Description

Mixture of substances listed below with nonhazardous additions.

ACETONE Index No. 606-001-00-8 CAS: 67-64-1 Classification (EC 1272/2008) Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	25-50% REACH Registration No. 01-2119471330-49-xxxx EINECS: 200-662-2 Classification (67/548/EEC) Xi R36 F R11 R66-67
DIMETHYL ETHER Index No. 603-019-00-8 CAS: 115-10-6 Classification (EC 1272/2008) Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas C, H280	12.5-20% REACH Registration No. 01-2119472128-37-xxxx EINECS: 204-065-8 Classification (67/548/EEC) F+ R12
N-BUTYL ACETATE Index No. 607-025-00-1 CAS: 123-86-4 Classification (EC 1272/2008) Flam. Liq. 3, H226 STOT SE 3, H336	12.5-20% REACH Registration No. 01-2119485493-29-xxxx EINECS: 204-658-1 Classification (67/548/EEC) R10-66-67
PROPANE Index No. 601-003-00-5 CAS: 74-98-6 Classification (EC 1272/2008) Flam. Gas 1, H220 Press. Gas C, H280	5-10% REACH Registration No. 01-2119486944-21-xxxx EINECS: 200-827-9 Classification (67/548/EEC) F+ R12
2-METHOXY-1-METHYLETHYL ACETATE Index No. 607-195-00-7 CAS: 108-65-6 Classification (EC 1272/2008) Flam. Liq. 3, H226	5-10% REACH Registration No. 01-2119475791-29-xxxx EINECS: 203-603-9 Classification (67/548/EEC) R10
BUTANE Index No. 601-004-00-0 CAS: 106-97-8 Classification (EC 1272/2008) Flam. Gas 1, H220 Press. Gas C, H280	5-10% REACH Registration No. 01-2119474691-32-xxxx EINECS: 203-448-7 Classification (67/548/EEC) F+ R12

ISOBUTANE Index No. 601-004-00-0 CAS: 75-28-5 Classification (EC 1272/2008) Flam. Gas 1, H220 Press. Gas C, H280	5-10% REACH Registration No. 01-2119485395-27-xxxx EINECS: 200-857-2 Classification (67/548/EEC) F+ R12
BUTAN-1-OL Index No. 603-004-00-6 CAS: 71-36-3 Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2.5% REACH Registration No. 01-2119484630-38-xxxx EINECS: 200-751-6 Xn R22 Xi R37/38-41 R10-67
PROPAN-2-OL Index No. 603-117-00-0 CAS: 67-63-0 Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	1-2.5% REACH Registration No. 01-2119457558-25-xxxx EINECS: 200-661-7 Xi R36 F R11 R67
NITROCELLULOSE (NITROGEN CONTENT <12.6%) Index No. CAS: 9004-70-0 Flam. Sol. 1, H228	2.5-5% REACH Registration No. EINECS: F R11
TRIZINC BIS(ORTHOPHOSPHATE) Index No. 030-011-00-6 CAS: 7779-90-0 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.1-1% REACH Registration No. 01-2119485044-40-xxxx EINECS: 231-944-3 N R50/53

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

## 4. First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Supply fresh air; consult doctor in case of complaints.
<b>Ingestion</b>	Drink plenty of water and provide fresh air. Call for a doctor immediately.
<b>Skin contact</b>	Generally the product does not irritate the skin.
<b>Eye contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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

No further relevant information available.

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

No further relevant information available.

## 5. Firefighting measures

### 5.1 Extinguishing Media

**Suitable extinguishing agents** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents** Water with full jet

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

**Protective equipment** No special measures required.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Keep away from ignition sources.

### 6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

### 6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

#### Information about fire - and explosion protection

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage

#### Requirements to be met by storerooms and receptacles

Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

#### Information about storage in one common storage facility

Not required.

#### Further information about storage conditions

Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

No further relevant information available.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace

Name	STD	WEL - 8 Hrs		WEL - 15 Min	
ACETONE	WEL	500 ppm	1210 mg/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>
DIMETHYL ETHER	WEL	400 ppm	766 mg/m <sup>3</sup>	500 ppm	958 mg/m <sup>3</sup>
N-BUTYL ACETATE	WEL	150 ppm	724 mg/m <sup>3</sup>	200 ppm	966 mg/m <sup>3</sup>
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>
2-METHOXY-1-METHYLETHYL ACETATE	WEL	50 ppm Sk	274 mg/m <sup>3</sup>	100 ppm	548 mg/m <sup>3</sup>
BUTAN-1-OL	WEL			50 ppm Sk	154 mg/m <sup>3</sup>
PROPAN-2-OL	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>

WEL = Workplace Exposure Limits

**Additional information**      The lists valid during the making were used as basis.

### 8.2. Exposure controls

#### Personal protective equipment

#### General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.

#### Respiratory protection

Not required.

#### Hand protection

Not required.

#### Eye protection



Tightly sealed goggles

#### Material of gloves

Not required.

#### Penetration time of glove material

Not required.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### General Information

#### Appearance

<b>Form</b>	Aerosol
<b>Colour</b>	According to product specification
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not determined.
<b>pH-value</b>	Not determined.

#### Change in condition

<b>Melting point/Melting range</b>	Undetermined.
<b>Boiling point/Boiling range</b>	Not applicable, as aerosol.
<b>Flash point</b>	< 0 °C (< 32 °F) Not applicable, as aerosol.
<b>Flammability (solid, gaseous)</b>	Not applicable.
<b>Ignition temperature</b>	240 °C (464 °F)
<b>Decomposition temperature</b>	Not determined.
<b>Self-igniting</b>	Product is not selfigniting.
<b>Danger of explosion</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits</b>	
<b>Lower</b>	1.2 Vol %
<b>Upper</b>	26.2 Vol %
<b>Vapour pressure at 20 °C (68 °F)</b>	4000 hPa (3000 mm Hg)
<b>Density at 20 °C (68 °F)</b>	0.757 g/cm <sup>3</sup> (6.317 lbs/gal)
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with water</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water)</b>	Not determined.
<b>Viscosity</b>	
<b>Dynamic</b>	Not determined.
<b>Kinematic</b>	Not determined.

**Solvent content**

**Organic solvents** 89.6 %

**EU-VOC** 678.5 g/l

**EU-VOC in %** 89.64 %

**Solids content** 9.1 %

**9.2. Other information** No further relevant information available.

**10. Stability and reactivity****10.1. Reactivity****10.2. Chemical stability**

**Thermal decomposition / conditions to be avoided** No decomposition if used according to specifications.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known.

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

No dangerous decomposition products known.



**Sensitisation** No sensitising effects known.

**Additional toxicological information** The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

## 12. Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

<b>ACETONE</b>	
EC50 / 48 h	8800 mg/l (daphnia magna)
LC50 / 48 h	2262 mg/l (daphnia magna)
LC50 / 96 h (static)	5540 mg/l (fish)
<b>DIMETHYL ETHER</b>	
EC50 / 48 h	>4000 mg/l (daphnia magna)
<b>N-BUTYL ACETATE</b>	
EC50 / 48 h	44 mg/l (daphnia magna)
EC50 / 96 h	320 mg/l (algae)
LC50 / 24 h	205 mg/l (daphnia magna)
LC50 / 96 h	18 mg/l (Pimephales promelas)
<b>2-METHOXY-1-METHYLETHYL ACETATE</b>	
EC50	408 mg/l (daphnia magna)
<b>BUTAN-1-OL</b>	
EC50 / 48 h	1328 mg/l (daphnia magna)
EC50 / 72 h	8500 mg/l (algae)
LC50 / 96 h	1376 mg/l (Pimephales promelas)
<b>PROPAN-2-OL</b>	
EC50 / 48 H	13299 mg/l (daphnia magna)
LC50 / 96 H (DYNAMIC)	4200 mg/l (fish)
<b>TRIZINC BIS(ORTHOPHOSPHATE)</b>	
EC50 / 48 h	0.04 mg/l (daphnia magna)
EC50 / 72 h	0.136 mg/l (algae)
LC50 / 96 h (dynamic)	0.14 mg/l (fish)

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### Ecotoxicical effects

**Remark** Toxic for fish

### Additional ecological information

**General notes** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

**12.5. Results of PBT and vPvB assessment**

**PBT** Not applicable.

**vPvB** Not applicable.

**12.6. Other adverse effects** No further relevant information available.

**13. Disposal considerations**

**13.1. Waste treatment methods**

**Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging**

**Recommendation** Non contaminated packagings may be recycled.

**14. Transport information**

**14.1. UN number**

**ADR, IMDG, IATA** UN1950

**14.2. UN proper shipping name**

**ADR** 1950 AEROSOLS

**IMDG** AEROSOLS

**IATA** AEROSOLS, flammable

**14.3. Transport hazard class(es)**

**ADR**



**Class** 2 5F Gases.

**Label** 2.1

**IMDG, IATA**



**Class** 2.1

**Label** 2.1

**14.4. Packing group**                      Void  
**ADR, IMDG, IATA**

**14.5. Environmental hazards**

**Marine Pollutant**                      No

**14.6. Special precautions for user**      Warning: Gases.

**Danger code (Kemler)**                -

**EMS Number**                              F-D,S-U

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**                      Not applicable.

**Transport/Additional information**

**ADR**

**Limited quantities (LQ)**                1L

**Excepted quantities (EQ)**              Code: E0  
Not permitted as Excepted Quantity

**Transport category**                    2

**Tunnel restriction code**                D

**IMDG**

**Limited quantities (LQ)**                1L

**Excepted quantities (EQ)**              Code: E0  
Not permitted as Excepted Quantity

**UN "Model Regulation"**                UN1950, AEROSOLS, 2.1

**15. Regulatory information**

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

No further relevant information available.

**15.2. Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

## 16. Other information

### Relevant phrases

H220 Extremely flammable gas.  
H224 Extremely flammable liquid and vapour.  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H228 Flammable solid.  
H280 Contains gas under pressure; may explode if heated.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

R10 Flammable.  
R11 Highly flammable.  
R12 Extremely flammable.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R37/38 Irritating to respiratory system and skin.  
R41 Risk of serious damage to eyes.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

### Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Gas 1: Flammable gases, Hazard Category 1  
Flam. Aerosol 1: Flammable aerosols, Hazard Category 1  
Press. Gas C: Gases under pressure: Compressed gas  
Flam. Liq. 1: Flammable liquids, Hazard Category 1  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Flam. Sol. 1: Flammable solids, Hazard Category 1  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

**This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.**