SAFETY DATA SHEET
ANTI CORROSIVE PRIMER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name ANTI CORROSIVE PRIMER
Product No. HYCACP

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

1.3. Details of the supplier of the safety data sheet
Supplier James Briggs Limited
Salmon Fields, Royton, Oldham, Lancashire, OL2 6HZ, England
0161 627 0101
sds@jamesbriggs.co.uk
Manufacturer James Briggs Limited
Salmon Fields, Royton, Oldham, Lancashire, OL2 6HZ, England
0161 627 0101
sds@jamesbriggs.co.uk

1.4. Emergency telephone number
National Emergency Telephone Number
0044 (0) 161 627 0101

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Human health
Vapours/aerosol spray may irritate the respiratory system. May irritate eyes and skin. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

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

Physical and Chemical Hazards
The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures. Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Labelling

![Irritant](image)

Irritant

![Extremely flammable](image)

Extremely flammable

Risk Phrases
R12 Extremely flammable.
R36 Irritating to eyes.
R52/53 Harmful 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.
## Safety Phrases

- **S2** Keep out of the reach of children.
- **S16** Keep away from sources of ignition - No smoking.
- **S23** Do not breathe vapour/spray.
- **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **S37** Wear suitable gloves.
- **S51** Use only in well-ventilated areas.
- **S56** Dispose of this material and its container to hazardous or special waste collection point.

## 2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-METHOXY-2-PROPANOL</td>
<td>&lt; 1%</td>
<td>107-98-2</td>
<td>203-539-1</td>
<td>Flam. Liq. 3 - H226</td>
<td>R10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3 - H336</td>
<td>R67</td>
</tr>
<tr>
<td>2-BUTOXYETHANOL</td>
<td>1-5%</td>
<td>111-76-2</td>
<td>203-905-0</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Classification (EC 1272/2008)</td>
<td>Classification (67/548/EEC)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 - H302</td>
<td>Xn;R20/21/22</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 - H312</td>
<td>Xi;R36/38</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 - H332</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2 - H315</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>ACETONE</td>
<td>30-60%</td>
<td>67-64-1</td>
<td>200-662-2</td>
<td></td>
<td>Classification (EC 1272/2008)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flam. Liq. 2 - H225</td>
<td>F;R11</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EUH066</td>
<td>Xi;R36</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2 - H319</td>
<td>R66</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3 - H336</td>
<td>R67</td>
</tr>
<tr>
<td>BUTANE</td>
<td>5-10%</td>
<td>106-97-8</td>
<td>203-448-7</td>
<td></td>
<td>Classification (EC 1272/2008)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flam. Gas 1 - H220</td>
<td>F++;R12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>------------</td>
<td>-------------</td>
<td>----------</td>
<td>-------------------------------</td>
<td>----------------------------</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>1-5%</td>
<td>75-28-5</td>
<td>200-857-2</td>
<td>Flam. Gas 1 - H220</td>
<td>F+,R12</td>
</tr>
<tr>
<td>PROPAN-2-OL</td>
<td>&lt; 1%</td>
<td>67-63-0</td>
<td>200-661-7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.</td>
<td>1-5%</td>
<td>64742-95-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRIZINC BIS (ORTHOPHOSPHATE)</td>
<td>&lt; 1%</td>
<td>7779-90-0</td>
<td>231-944-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLENE</td>
<td>5-10%</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Composition Comments
The data shown are in accordance with the latest EC Directives.
SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation
Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion
DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

Skin contact
Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.
In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

Ingestion
Due to the physical nature of this material it is unlikely that swallowing will occur.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
Irritating and may cause redness and pain.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
When heated, vapours/gases hazardous to health may be formed.

Unusual Fire & Explosion Hazards
Aerosol cans may explode in a fire.

Specific hazards
Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Special Fire Fighting Procedures
Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

Protective equipment for fire-fighters
Wear full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet. Wear protective gloves. Do not smoke, use open fire or other sources of ignition. Avoid inhalation of vapours and aerosol spray. Avoid contact with skin and eyes.

6.2. Environmental precautions

Not relevant considering the small amounts used.

6.3. Methods and material for containment and cleaning up

ANTI CORROSIVE PRIMER

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Storage Class
Store in a dry, well ventilated, moisture free area.

7.3. Specific end use(s)

Decorative paint coating for a range of substrates

Usage Description
Aerosolised paint spray

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-METHOXY-2-PROPAVALON</td>
<td>WEL</td>
<td>100 ppm(Sk)</td>
<td>375 mg/m3(Sk)</td>
<td>150 ppm(Sk)</td>
</tr>
<tr>
<td>2-BUTOXYETHANOL</td>
<td>WEL</td>
<td>25 ppm(Sk)</td>
<td>50 ppm(Sk)</td>
<td></td>
</tr>
<tr>
<td>ACETONE</td>
<td>WEL</td>
<td>500 ppm</td>
<td>1210 mg/m3</td>
<td></td>
</tr>
<tr>
<td>BUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1450 mg/m3</td>
<td>750 ppm</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>WEL</td>
<td>800 ppm</td>
<td>1250 mg/m3</td>
<td></td>
</tr>
<tr>
<td>PROPAN-2-OL</td>
<td>WEL</td>
<td>400 ppm</td>
<td>999 mg/m3</td>
<td>500 ppm</td>
</tr>
<tr>
<td>XYLENE</td>
<td>WEL</td>
<td>50 ppm(Sk)</td>
<td>220 mg/m3(Sk)</td>
<td>100 ppm(Sk)</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

Ingredient Comments
Not available

8.2. Exposure controls

Protective equipment

Process conditions
No specific process measures

Engineering measures
Provide adequate general and local exhaust ventilation.

Respiratory equipment
No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.

Hand protection
Use protective gloves.

Eye protection
Use approved safety goggles or face shield.

Other Protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
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. When using do not eat, drink or smoke.

Personal protection

It is advisable to wear suitable eye protection (goggles)

Skin protection

Suitable gloves

Thermal hazards

No specific thermal hazards noted

Environmental Exposure Controls

Due to the method of dispense, the product is likely to have a minimal environmental impact.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance**  
Aerosol.

**Colour**  
Paint product - full range of colour spectrum

**Odour**  
Ketonic. Characteristic of a solvent based paint product

**Solubility**  
Immiscible or slightly miscible with water. Lighter than water (floatation probable).

**Initial boiling point and boiling range**  
Technically not feasible.

The boiling point of the lowest boiling point material is minus 40 degrees Celcius (-40). This is the boiling point of the propellant (LPG - Liquified Petroleum Gas).

**Melting point (°C)**  
Scientifically unjustified.

The resin binder in the paint film begins to soften at temperatures in excess of 80 degrees Celcius.

**Relative density**  
Scientifically unjustified.

Not relevant

<1.000 Ambient

Not applicable

**Bulk Density**  
Not relevant

Not applicable

**Vapour density (air=1)**  
Not determined.

>1  
The vapours are heavier than air.

**Vapour pressure**  
Not determined.

Propellant vapour pressure 590 - 1760 KPa

**Flash point**  
Technically not feasible.

The flash point of the lowest flash point material is minus 104 degrees Celcius (-104). This is the flash point of the propellant (LPG - Liquified Petroleum Gas).

**Flammability Limit - Lower(%)**  
0.8

**Flammability Limit - Upper(%)**  
9.0

#### 9.2. Other information

**Volatile Organic Compound (VOC)**  
Maximum 839 g/litre

Aerosol products which are used for vehicle refinishing are classed as Annex IIB subcategory (e). The maximum permitted VOC’s are 840 g/l. The typical VOC content for this range of products is between 625 and 675 g/l. The VOC regulations do not apply to any other aerosol products except those which are used for vehicle refinishing.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

The product may form explosive vapours/air mixtures even at normal room temperatures.

#### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

#### 10.3. Possibility of hazardous reactions

Not available.

#### 10.4. Conditions to avoid
ANTI CORROSIVE PRIMER

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials To Avoid

10.6. Hazardous decomposition products


SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation
May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Skin contact
Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.

Eye contact
Irritating to eyes. May cause chemical eye burns.

Route of entry

Inhalation. Skin and/or eye contact. Ingestion.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Under normal use conditions, this material is unlikely to accumulate in sufficient quantities to present any aquatic toxicity hazard.

12.1. Toxicity

Data set not currently available.

12.2. Persistence and degradability

The majority of the constituents are readily degradeable.

12.3. Bioaccumulative potential

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:
The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Industrial and institutional users should dispose of aerosols through a registered waste disposal company.
SECTION 14: TRANSPORT INFORMATION

General
For industrial and institutional users can transport these products as "Limited Quantities" (LQ). For the final stages of retail distribution within the UK (only), unpackaged LQ product may be transported without external packaging under the DfT road derogation 4. The user must confirm the condition of the derogation prior to road consignment.

14.1. UN number

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

14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN Class 2
ADR/RID/ADN Class Class 2: Gases
ADR Label No. 2.1
IMDG Class 2.1
ICAO Class/Division 2.1

Transport Labels

14.4. Packing group

ADR/RID/ADN Packing group Not Applicable
IMDG Packing group Not Applicable
ICAO 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
Tunnel Restriction Code (D/E)

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

Not relevant

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Chemicals (Hazard Information & Packaging) Regulations.
Statutory Instruments
Control of Substances Hazardous to Health.
The Aerosol Dispensers Regulations 2009
No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>03/12/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision</td>
<td>1</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>07/05/2013</td>
</tr>
<tr>
<td>Safety Data Sheet Status</td>
<td>Approved.</td>
</tr>
<tr>
<td>Date</td>
<td>05/12/2012</td>
</tr>
<tr>
<td>Signature</td>
<td>A. Taylor</td>
</tr>
</tbody>
</table>

**Risk Phrases In Full**

- R12: Extremely flammable.
- R10: Flammable.
- R20/21: Harmful by inhalation and in contact with skin.
- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
- R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65: Harmful: may cause lung damage if swallowed.
- R11: Highly flammable
- R36/38: Irritating to eyes and skin.
- R36: Irritating to eyes.
- R37: Irritating to respiratory system.
- R38: Irritating to skin.
- R66: Repeated exposure may cause skin dryness or cracking.
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R67: Vapours may cause drowsiness and dizziness.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Hazard Statements In Full**

- H319: Causes serious eye irritation.
- H315: Causes skin irritation.
- H222: Extremely flammable aerosol.
- H220: Extremely flammable gas.
- H226: Flammable liquid and vapour.
- H332: Harmful if inhaled.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H412: Harmful to aquatic life with long lasting effects.
- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H336: May cause drowsiness or dizziness.
- EUH066: Repeated exposure may cause skin dryness or cracking.
- H410: Very toxic to aquatic life with long lasting effects.
- H400: Very toxic to aquatic life.