
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: BRIGHT ZINC COLD GALVANISING SPRAY
- Product Part Number: A047A
- Container Size 400ml

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

- Use of the substance/mixture: Aerosol Paint

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Palatine Paints & Chemicals Ltd
- Address of Supplier: 55 Smallbrook Lane,
Leigh, Lancashire.
WN7 5EW
- Telephone: 01942 884122
- Responsible Person: Enquires@palatinepaints.co.uk
- Email: Safety@palatinepaints.co.uk

1.4 Emergency telephone number

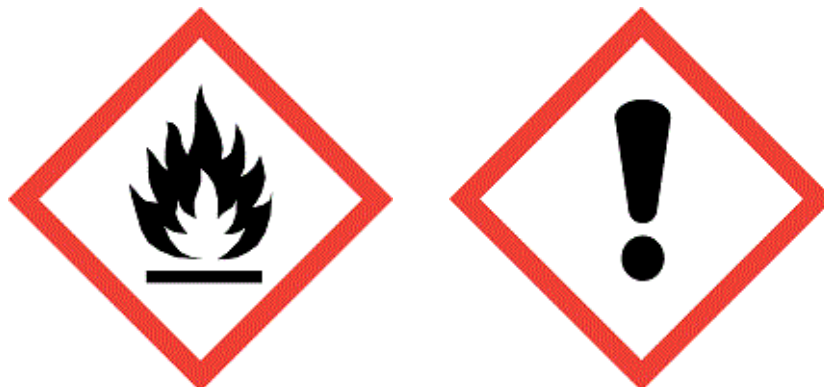
- Emergency Telephone: 01942 871210

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- CLP: Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3
- CHIP:
- Most important adverse effects: Extremely flammable. Irritating to eyes and skin. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

2.2 Label elements



- Signal Word: Warning
- Hazard statements
Extremely flammable aerosol (H222).

SECTION 2 Hazards identification (....)

Pressurised container: may burst if heated (H229).

Causes serious eye irritation (H319).

May cause drowsiness or dizziness (H336).

- Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P210)

Do not spray on an open flame or other ignition source. (P211)

Pressurized container: Do not pierce or burn, even after use. (P251)

Protect from sunlight. Do not expose to temperatures exceeding 50 °C. (P410 + P412)

Wear protective gloves/protective clothing/eye protection/face protection (P280).

Keep out of reach of children (P102).

Do not breathe spray. (P260)

Do not get in eyes, on skin, or on clothing (P262).

Use only outdoors or in a well-ventilated area (P271).

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+351+338)

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. (P301+330+331)

2.3 Other hazards

- In use, may form flammable / explosive vapour-air mixture.
 - PBT: This product is not identified as a PBT/vPvB substance.
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SECTION 3 Composition/information on ingredients

3.1 Mixtures

- acetone; propan-2-one; propanone

CAS Number: 67-64-1

EC Number: 200-662-2

Concentration: 10-30%

Categories: Flam. Liq. 2 Eye Irrit. 2 STOT SE 3

Symbols: GHS02,GHS07, F, Xi

R/H Phrases: H225,H319,H336, EUH066, R11,R36,R66,R67

- butane

CAS Number: 106-97-8

EC Number: 203-448-7

Concentration: 10-30%

Categories: Flam. Gas 1 Press. Gas

Symbols: GHS02,GHS04, F+

R/H Phrases: H220, R12

- propane

CAS Number: 74-98-6

EC Number: 200-827-9

Concentration: 60-100%

Categories: Flam. Gas 1 Press. Gas

Symbols: GHS02,GHS04, F+

SECTION 3 Composition/information on ingredients (....)

- R/H Phrases: H220, R12
- 1-methoxy-2-propanol; monopropylene glycol methyl ether
CAS Number: 107-98-2
EC Number: 203-539-1
Concentration: 1-10%
Categories: Flam. Liq. 3 STOT SE 3
Symbols: GHS02,GHS07
R/H Phrases: H226,H336, R10,R67
 - xylene
CAS Number: 1330-20-7
EC Number: 215-535-7
Concentration: 1-10%
Categories: Flam. Liq. 3 Acute Tox. 4 Acute Tox. 4 Skin Irrit. 2
Symbols: GHS02,GHS07, Xn
R/H Phrases: H226,H332,H312,H315, R10,R20/21,R38
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SECTION 4 First aid measures

4.1 Description of first aid measures

- Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion: Wash out mouth with water. Consult a doctor.
- Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

- Skin contact:: There may be irritation and redness at the site of contact.
- Eye contact:: There may be irritation and redness. The eyes may water profusely.
- Ingestion: There may be soreness and redness of the mouth and throat.
- Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
- Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

- Immediate / special treatment: Eye bathing equipment should be available on the premises.
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: Use Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers. for extinction (P370+P378).

5.2 Special hazards arising from the substance or mixture

SECTION 5 Fire-fighting measures (....)

- Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back. Aerosol cans may explode during a fire, giving a high speed projectile.

5.3 Advice for firefighters

- Wear self-contained respiratory protective device.
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SECTION 6 Accidental release measures

Spillage causes slippery surface

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition. Cover leaking can until the discharge has stopped, before attempting cleanup operations.

6.2 Environmental Precautions

- Avoid discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and cleaning up

- Eliminate all ignition sources if safe to do so (P381).
- Eliminate all sources of ignition. No Smoking, sparks, flames or other sources of ignition near spillage.
Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see section 13. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4 Reference to other sections

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Keep away from heat/sparks/open flames/hot surfaces. – No smoking (P210).
- Avoid spilling
- Avoid contact with skin and eyes
- Provide adequate ventilation.
- Avoid inhalation of vapours.
- Use approved respirator if air contamination is above an acceptable level.

7.2 Conditions for safe storage, including any incompatibilities

- Keep away from oxidisers, heat, flames or ignition sources
- Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in the original container.
- Storage Class: Flammable liquid storage.

7.3 Specific end use(s)

SECTION 7 Handling and storage (....)

SECTION 8 Exposure controls/personal protection**8.1 Control parameters**

- Acetone
Ingredient comment: WEL = Workplace Exposure Limit. 1210mg/m³ TWA 8 hour
- 1-METHOXY-2-PROPANOL
Ingredient comment: WEL = Workplace Exposure Limit. 375mg/m³ TWA 8 hour
Ingredient comment: WEL = Workplace Exposure Limit. 568mg/m³ 15Min. STEL
- Xylene
Ingredient comment: WEL = Workplace Exposure Limit. 221mg/m³ TWA 8 hour
Ingredient comment: WEL = Workplace Exposure Limit. 442mg/m³ 15Min. STEL

8.2 Exposure controls

- Appropriate engineering controls: Provide adequate general and local exhaust ventilation.
- Eye / Face Protection: The following protection should be worn: Chemical splash goggles.
- Hand Protection: Use Protective Gloves
- Other Skin and Body Protection: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.
- 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. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
- Respiratory protection: If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter.

SECTION 9 Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Aerosol
- Colour: Metallic Grey
- Odour: Solvent odour
- Evaporation Rate: Moderate
- Flashpoint: Minus 40 (calc)
- Upper Explosive Limit: 13.0 Lower flammable/explosive limit: 0.8
- Vapour Density: >1
- Density: 1.723 @ 25°C
- Viscosity: 1.723 @ 25°C
- Solubility in water: Insoluble in water
- Also Soluble in: Acetone

SECTION 9 Physical and chemical properties (....)

- Autoflammability°C: >240

9.2 Other information

SECTION 10 Stability and reactivity

10.1 Reactivity

- Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Hazardous Reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

- Heat. Hot surfaces. Sources of ignition. Flames. Direct sunlight.

10.5 Incompatible materials

- Strong oxidising agents. Strong acids.

10.6 Hazardous Decomposition Products

- In combustion emits toxic fumes.
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

Hazardous Ingredients:

ACETONE

IVNRATLD505500mg/kg

ORLMUSLD503000mg/kg

ORLRATLD505800mg/kg

1-METHOXY-2-PROPANOL

ORLRATLD505000mg/kg

XYLENE

ORLMUSLD502119mg/kg

ORLRATLD504300mg/kg

SCURATLD501700mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

- Skin contact: There may be irritation and redness at the site of contact.
 - Eye Contact: There may be irritation and redness. The eyes may water profusely.
 - Ingestion: There may be soreness and redness of the mouth and throat.
 - Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
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SECTION 11 Toxicological information (....)

- Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

SECTION 12 Ecological information

Ecotoxicity: The product is not expected to toxic to aquatic organisms.

12.1 Toxicity

Hazardous Ingredients:

ACETONE

BLUEGILL (Lepomis macrochirus)LC508300mg/l

1-METHOXY-2-PROPANOL

FISH96H LC50>4600mg/l

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Readily absorbed into soil. Volatile. Insoluble in water. Floats on water. Vapour is heavier than air.

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- Negligible ecotoxicity.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

SECTION 14 Transport information



14.1 UN Number

- UN No.: 1950

14.2 Proper Shipping Name

- Proper Shipping Name: AEROSOLS

14.3 Transport hazard class(es)

- Hazard Class: 2

SECTION 14 Transport information (....)

14.4 Packing group

- Packing Group:

14.5 Environmental hazards

- On available data, substance is not harmful to the environment
- Presents little or no hazard to the environment

14.6 Special precautions for user

- No special precautions.
- Tunnel Code: D
- Transport Category: 2

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

SECTION 15 Regulatory information

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

15.2 Chemical Safety Assessment

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:-
EUH066: Repeated exposure may cause skin dryness or cracking. H220: Extremely flammable gas. H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H312: Harmful in contact with skin. H315: Causes skin irritation. H319: Causes serious eye irritation. H332: Harmful if inhaled. H336: May cause drowsiness or dizziness. R10: Flammable. R11: Highly Flammable. R12: Extremely Flammable. R20/21: Harmful by inhalation and in contact with skin. R36: Irritating to eyes. R38: Irritating to skin. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
IMPORTANT NOTE: Risk phases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. For professional and industrial use only.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use