



## SAFETY DATA SHEET

GALVA FLASH

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Compilation date: 23/10/2014

Revision No: 2

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: GALVA FLASH

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

Use of substance / mixture: Metal galvanising spray

#### 1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: [customer-service@rocol.com](mailto:customer-service@rocol.com)

#### 1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Aquatic Chronic 3: H412; Flam. Aerosol 1: H222; -: H229

Most important adverse effects: Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

Label elements:

Hazard statements: H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H315: Causes skin irritation.

H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



[cont...]

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**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251: Do not pierce or burn, even after use.  
P211: Do not spray on an open flame or other ignition source.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P332+313: If skin irritation occurs: Get medical advice/attention.  
P302+352: IF ON SKIN: Wash with plenty of water/.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3-BUTADIENE) - REACH registered number(s): EXEMPT

| EINECS    | CAS        | PBT / WEL  | CLP Classification                  | Percent |
|-----------|------------|--|-------------------------------------|---------|
| 270-704-2 | 68476-85-7 | Substance with a Community workplace exposure limit. | Flam. Gas 1: H220; Press. Gas: H280 | 50-70%  |

#### XYLENE

|           |           |   |   |        |
|-----------|-----------|---|---|--------|
| 215-535-7 | 1330-20-7 | - | Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315 | 10-30% |
|-----------|-----------|---|---|--------|

#### AROMATIC HYDROCARBON (NOTE P APPLIES)

|           |            |   |  |       |
|-----------|------------|---|--|-------|
| 265-199-0 | 64742-95-6 | - | Flam. Liq. 3: H226; STOT SE 3: H335; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; STOT SE 3: H336 | 2-10% |
|-----------|------------|---|--|-------|

#### DIMETHYL ETHER AEROSOL PROPELLANT

|           |          |  |                                     |       |
|-----------|----------|--|-------------------------------------|-------|
| 204-065-8 | 115-10-6 | Substance with a Community workplace exposure limit. | Flam. Gas 1: H220; Press. Gas: H280 | 2-10% |
|-----------|----------|--|-------------------------------------|-------|

#### ALUMINIUM POWDER

|           |           |  |  |       |
|-----------|-----------|--|--|-------|
| 231-072-3 | 7429-90-5 | Substance with a Community workplace exposure limit. | Flam. Sol. 1: H228; Water-react. 1: H260 | 2-10% |
|-----------|-----------|--|--|-------|

## 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.

[cont...]

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. 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.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. 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. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

[cont...]

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## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3-BUTADIENE)**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA                    | 15 min. STEL                  | 8 hour TWA | 15 min. STEL |
|-------|-------------------------------|-------------------------------|------------|--------------|
| UK    | 1000ppm 1750mg/m <sup>3</sup> | 1250ppm 2180mg/m <sup>3</sup> | -          | -            |

**XYLENE**

|    |                       |                       |   |   |
|----|-----------------------|-----------------------|---|---|
| UK | 220 mg/m <sup>3</sup> | 441 mg/m <sup>3</sup> | - | - |
|----|-----------------------|-----------------------|---|---|

**DIMETHYL ETHER AEROSOL PROPELLANT**

|    |                             |                             |   |   |
|----|-----------------------------|-----------------------------|---|---|
| UK | 400ppm 766mg/m <sup>3</sup> | 500ppm 958mg/m <sup>3</sup> | - | - |
|----|-----------------------------|-----------------------------|---|---|

**ALUMINIUM POWDER**

|    |   |   |                    |   |
|----|---|---|--------------------|---|
| UK | - | - | 4mg/m <sup>3</sup> | - |
|----|---|---|--------------------|---|

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Aerosol

[cont...]

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**Colour:** Pale grey

**Odour:** Characteristic odour

**Evaporation rate:** Fast

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Not miscible

**Viscosity:** Non-viscous

**Boiling point/range°C:** < 0

**Melting point/range°C:** < 0

**Flammability limits %: lower:** No data available.

**upper:** No data available.

**Flash point°C:** < 0

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 0.952

## 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** 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

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**XYLENE**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 2119 | mg/kg |
| ORL | RAT | LD50 | 4300 | mg/kg |

[cont...]

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|     |     |      |      |       |
|-----|-----|------|------|-------|
| SCU | RAT | LD50 | 1700 | mg/kg |
|-----|-----|------|------|-------|

## Relevant hazards for substance:

| Hazard                    | Route | Basis                 |
|---------------------------|-------|-----------------------|
| Skin corrosion/irritation | DRM   | Hazardous: calculated |

## Symptoms / routes of exposure

**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.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

#### DIMETHYL ETHER AEROSOL PROPELLANT

|         |          |        |      |
|---------|----------|--------|------|
| DAPHNIA | 48H EC50 | > 4000 | mg/l |
| FISH    | 96H LC50 | > 4000 | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

[cont...]

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## Section 14: Transport information

### 14.1. UN number

UN number: UN1950

### 14.2. UN proper shipping name

Shipping name: AEROSOLS

### 14.3. Transport hazard class(es)

Transport class: 2

### 14.4. Packing group

### 14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

### 14.6. Special precautions for user

Special precautions: No special precautions.

## Section 15: Regulatory information

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

Specific regulations: Not applicable.

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Compiled in accordance with REACH.

**Phrases used in s.2 and s.3:** H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H226: Flammable liquid and vapour.

H228: Flammable solid.

H229: Pressurised container: May burst if heated

H260: In contact with water releases flammable gases which may ignite spontaneously.

H280: Contains gas under pressure; may explode if heated.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H332: Harmful if inhaled.

[cont...]

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H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**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.