

## Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : GALVA BRITE  
 Ref.Nr.: BDS000214\_3\_20120416

Creationdate : 16.04.12 Version : 1.0  
 Replaces: BDS000214\_20110606

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**GALVA BRITE**  
 Aerosol

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

Anti Corrosion Products

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

**CRC Industries Europe bvba**  
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**1.4. Emergency telephone number**

CRC Industries Europe, Belgium: Tel.: +32(0)52/45.60.11 (office hours)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to 67/548/EEC or 1999/45/EC:**

Health:	not classified
Physical:	EXTREMELY FLAMMABLE
Environment:	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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## 2.2. Label elements

Warning symbol(s) :	EXTREMELY FLAMMABLE 
Risk-phrase(s) :	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety-phrase(s) :	S2: Keep out of the reach of children. S16: Keep away from sources of ignition - No smoking. S23: Do not breathe vapours/spray. S35: This material and its container must be disposed of in a safe way. S51: Use only in well-ventilated areas.
Extra label elements according to Aerosol Dispenser Directive 75/324/EC:	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Without adequate ventilation formation of explosive mixtures may be possible.
Other extra label elements:	Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

## 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

Not applicable.

## 3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
dimethyl ether	115-10-6	204-065-8	50-75	F+	12	A
ethyl acetate	141-78-6	205-500-4	5-10	F,Xi	11-36-66-67	B
Naphtha (petroleum), hydrotreated light	64742-49-0	265-151-9	5-10	Xn	65	B,P
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	5-10	Xn	65	B,P
n-butyl acetate	123-86-4	204-658-1	1-5		10-66-67	
aluminium powder (stabilized)	7429-90-5	231-072-3	1-5	F	11-15	A
1,2,4-trimethylbenzene	95-63-6	202-436-9	<1	Xn,N	10-20-36/37/38-51/53	A
mesitylene1,3,5-trimethylbenzene	108-67-8	203-604-4	<1	Xi,N	10-37-51/53	A
zinc oxide	1314-13-2	215-222-5	0.25-2.5	N	50/53	B
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	202-496-6	<0.1	Xn	21-40-41-43	B
<b>Explanation notes</b>						
A : substance with Community workplace exposure limit						



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B : substance with national established workplace exposure limit

P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dimethyl ether	01-2119472128-37	115-10-6	204-065-8	50-75	Flam. Gas 1, Press. Gas	H220,H280	A
ethyl acetate		141-78-6	205-500-4	5-10	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
n-butyl acetate	01-2119485493-29	123-86-4	204-658-1	1-5	Flam. Liq. 3, STOT SE 3	H226,H336	
aluminium powder (stabilized)		7429-90-5	231-072-3	1-5	Water-react. 2, Flam. Sol. 1	H261,H228	A
mesitylene1,3,5-trimethylbenzene		108-67-8	203-604-4	<1	Flam. Liq. 3, STOT SE 3, Aquatic Chronic 2	H226,H335,H411	A
1,2,4-trimethylbenzene	ABNA	95-63-6	202-436-9	<1	Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2	H226,H332,H319,H335,H315,H411	A
zinc oxide		1314-13-2	215-222-5	0.25-2.5	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	B
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime		96-29-7	202-496-6	<0.1	Carc. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1	H351,H312,H318,H317	B

**Explanation notes**

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with plenty of water Seek medical attention if irritation persists
<b>Contact with skin :</b>	Wash with water and soap. Seek medical attention if irritation persists
<b>Inhalation :</b>	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
<b>Ingestion :</b>	If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

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

<b>Inhalation :</b>	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	May cause irritation. Symptoms : redness and pain



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**Eye contact :** May cause irritation.  
Symptoms : redness and pain

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

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

foam, carbon dioxide or dry agent

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

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO,CO2

**5.3. Advice for firefighters**

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing and gloves.

**6.2. Environmental precautions**

Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

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

Absorb spillage in suitable inert material

**6.4. Reference to other sections**

For further information see section 8

**SECTION 7: Handling and storage**

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## 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
 Take precautionary measures against static discharges  
 Equipment should be earthed  
 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
 Use only non-sparking tools.  
 Do not breathe aerosols or vapours.  
 Ensure adequate ventilation  
 Avoid contact with skin and eyes.  
 Wash thoroughly after use  
 Wear protective gloves/protective clothing/eye protection/face protection.

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

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
 Keep out of reach of children.

## 7.3. Specific end use(s)

Anti Corrosion Products

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
mesitylene1,3,5-trimethylbenzene	108-67-8	TWA	20 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
1,2,4-trimethylbenzene	95-63-6	TWA	20 ppm
<b>National established exposure limits, United Kingdom</b>			
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm
ethyl acetate	141-78-6	TWA	200 ppm
		STEL	400 ppm

## 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
 Keep away from heat and sources of ignition  
 Take precautionary measures against static discharges



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**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
Ensure adequate ventilation

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.  
Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)

**hands and skin :** Wear suitable protective gloves  
(nitrile)

**eyes :** Wear safety goggles.

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

(for aerosols data for the product without propellant)

**Apperance : physical state :** DME propelled liquid.  
**colour :** Grey.  
**odour :** Solvent.  
**pH :** Not applicable.  
**Boiling point/range :** Not available.  
**Flash point :** < 0 °C  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not available.  
**lower limit :** Not available.  
**Vapour pressure :** Not available.  
**Relative density :** 0.969 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not applicable.

**9.2. Other information**

**VOC:** 675 g/l

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reactions known if used for its intended purpose

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose

**10.4. Conditions to avoid****CRC Industries Europe bvba**

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Avoid overheating

**10.5. Incompatible materials**

Strong oxidising agent

**10.6. Hazardous decomposition products**

CO,CO2

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
<b>Skin contact :</b>	Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis Repeated exposure may cause skin dryness or cracking.
<b>Eye contact :</b>	May cause irritation.

**Toxicological data :**

Hazardous ingredient	CAS-nr.	method	
n-butyl acetate	123-86-4	LD50 oral rat	> 2000 mg/kg
		LC50 inhal.rat	> 20 mg/l
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	LD50 oral rat	> 2000 mg/kg

**SECTION 12: Ecological information****12.1. Toxicity**

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Ecotoxicological data:**

Hazardous ingredient	CAS-nr.	method	
n-butyl acetate	123-86-4	IC50 algae	647 mg/l
		LC50 fish	18 mg/l
		EC50 daphnia	44 mg/l
zinc oxide	1314-13-2	LC50 fish	1.1 mg/l
		EC50 daphnia	0.098 mg/l



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Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	IC50 algae	1 - 10 mg/l
		LC50 fish	10 - 100 mg/l
		EC50 daphnia	10 - 100 mg/l

**12.2. Persistence and degradability**

No experimental data available

**12.3. Bioaccumulative potential**

No experimental data available

**12.4. Mobility in soil**

Insoluble in water

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

No information available

**12.6. Other adverse effects**

No experimental data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Product :** This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.  
**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

**SECTION 14: Transport information****14.1. UN number**

UN-number : 1950

**14.2. UN proper shipping name**

Proper shipping name: AEROSOLS

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

Class: 2.1  
 ADR/RID - Classification code: 5F



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**14.4. Packing group**

Packing group: Not applicable.

**14.5. Environmental hazards**

ADR/RID - Environmentally  
hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally  
hazardous: No

**14.6. Special precautions for user**

ADR/RID - Tunnelcode: (D)  
IMDG - Ems: F-D, S-U  
IATA/ICAO - PAX: 203  
IATA/ICAO - CAO 203

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

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The Safety Data Sheet is compiled according to the current European requirements.  
Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.  
EU-directive 99/45/EC  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008

**15.2. Chemical safety assessment**

No information available

**SECTION 16: Other information**

\*Explanation risk-phrases:

- R10: Flammable.
- R11: Highly flammable.
- R12: Extremely flammable.
- R15: Contact with water liberates extremely flammable gases.
- R20: Harmful by inhalation.
- R21: Harmful in contact with skin.
- R36: Irritating to eyes.
- R37: Irritating to respiratory system.



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R40: Limited evidence of a carcinogenic effect.  
R41: Risk of serious damage to eyes.  
R43: May cause sensitization by skin contact.  
R65: Harmful: may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*Explanation hazard statements:

H220 : Extremely flammable gas.  
H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H228 : Flammable solid.  
H261 : In contact with water releases flammable gases.  
H280 : Contains gas under pressure; may explode if heated.  
H312 : Harmful in contact with skin.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.  
H351 : Suspected of causing cancer .  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.



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