

**Productname :** Galva Colour  
**Ref.Nr.:** BDS000185\_3\_20150327 (EN)  
**Creationdate :** 27.03.15 Version : 1.1  
**Replaces:** BDS000185\_20130703

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

### 1.1. Product identifier

Galva Colour  
all colours  
Aerosol

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

Paints

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

CRC Industries UK Ltd.  
Ambersil House - Wylde Road  
Castlefield Industrial Estate  
TA6 4DD Bridgwater Somerset  
United Kingdom  
Tel.: +44 1278 727200  
Fax.: +44 1278 425644  
E-mail : hse.uk@crcind.com

### 1.4. Emergency telephone number

(+44)(0)1278 72 7200

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

<b>Physical:</b>	Aerosols, category 1 Extremely flammable aerosol. Pressurised container: May burst if heated.
<b>Health:</b>	Skin irritation, category 2 Causes skin irritation. Eye irritation, category 2 Causes serious eye irritation.
<b>Environment:</b>	Hazardous to the aquatic environment, chronic category 3 Harmful to aquatic life with long lasting effects.

#### Classification according to 67/548/EEC or 1999/45/EC:

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## EXTREMELY FLAMMABLE

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

## 2.2. Label elements

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

## Hazard pictogram(s):



**Signal word:** Danger

**Hazard statement(s):** H222 : Extremely flammable aerosol.  
H229 : Pressurised container: May burst if heated.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H412 : Harmful to aquatic life with long lasting effects.

**Precautionary statement(s):** P102 : Keep out of reach of children.  
P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 : Do not spray on an open flame or other ignition source.  
P251 : Do not pierce or burn, even after use.  
P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501-2 : Dispose of contents/container to an authorised waste collection point.

**Supplemental Hazard information:** Contains:  
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime  
May produce an allergic reaction.

## 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	30-60	F+	12	A
4-methylpentan-2-one; isobutyl methyl ketone	108-10-1	203-550-1	5-10	F,Xn	11-20-36/37-66	A

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ethylbenzene	100-41-4	202-849-4	1-5	F,Xn	11-20-48/20-65	A
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	1-5		10-67	A
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	202-496-6	<1	Xn	21-40-41-43	B
zinc oxide	1314-13-2	215-222-5	<1	N	50/53	B
xylene	1330-20-7	215-535-7	<12.5	Xn	10-20/21-38	A
1,2,4-trimethylbenzene	95-63-6	202-436-9	<2.5	Xn,N	10-20-36/37/38-51/53	A
mesitylene1,3,5-trimethylbenzene	108-67-8	203-604-4	<2.5	Xi,N	10-37-51/53	A
trizinc bis(orthophosphate)	7779-90-0	231-944-3	<2.5	N	50/53	

**Explanation notes**

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

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	30-60	Flam. Gas 1, Press. Gas	H220,H280	A
4-methylpentan-2-one; isobutyl methyl ketone	01-2119473979-13	108-10-1	203-550-1	5-10	Flam. Liq. 2, Acute Tox. 4, Eye Irrit. 2, STOT SE 3	H225,H332,H319,H335	A
ethylbenzene	01-2119489370-35	100-41-4	202-849-4	1-5	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1	H225,H332,H373,H304	A
1-methoxy-2-propanol; monopropylene glycol methyl ether	01-2119457435-35	107-98-2	203-539-1	1-5	Flam. Liq. 3, STOT SE 3	H226,H336	A
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	01-2119539477-28	96-29-7	202-496-6	<1	Carc. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1	H351,H312,H318,H317	B
zinc oxide		1314-13-2	215-222-5	<1	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	B
xylene	02-2119752448-30	1330-20-7	215-535-7	<12.5	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2	H226,H332,H312,H315	A
1,2,4-trimethylbenzene	ABNA	95-63-6	202-436-9	<2.5	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2	H226,H332,H315,H319,H335,H411	A
mesitylene1,3,5-trimethylbenzene		108-67-8	203-604-4	<2.5	Flam. Liq. 3, STOT SE 3, Aquatic Chronic 2	H226,H335,H411	A
trizinc bis(orthophosphate)		7779-90-0	231-944-3	<2.5	Aquatic Acute 1, Aquatic Chronic 1	H400,H410	

**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**

**Contact with eyes :** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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<b>Contact with skin :</b>	If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation :</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<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>	Irritating to skin Symptoms : redness and pain
<b>Eye contact :</b>	Irritating to eyes Symptoms : redness and pain, impaired vision

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

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

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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  
Place in appropriate container  
This material and/or its container must be disposed of as hazardous waste.

## 6.4. Reference to other sections

For further information see section 8

# SECTION 7: Handling and storage

## 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.  
Eyewash bottles should be available

## 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)

Paints

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

Exposure limits :

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Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
ethylbenzene	100-41-4	TWA	100 ppm
		STEL	200 ppm
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
4-methylpentan-2-one; isobutyl methyl ketone	108-10-1	TWA	20 ppm
		STEL	50 ppm
mesitylene1,3,5-trimethylbenzene	108-67-8	TWA	20 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
1,2,4-trimethylbenzene	95-63-6	TWA	20 ppm
<b>National established exposure limits, United Kingdom</b>			
ethylbenzene	100-41-4	TWA	100 ppm
		STEL	125 ppm
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm

## 8.2. Exposure controls

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type AX)
<b>hands and skin :</b>	Wear suitable protective gloves against chemicals
Recommended gloves:	Nitrile
<b>eyes :</b>	Wear safety goggles.
<b>Environmental protection:</b>	Avoid release to the environment. Collect spillage.

## SECTION 9: Physical and chemical properties

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

(for aerosols data for the product without propellant)

<b>Apperance : physical state :</b>	DME propelled liquid.
<b>colour :</b>	See color cap.
<b>odour :</b>	Characteristic odor.
<b>pH :</b>	Not applicable.
<b>Boiling point/range :</b>	Not available.

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**Flash point :** 15 °C (Closed Cup)  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not available.  
**lower limit :** Not available.  
**Vapour pressure :** Not available.  
**Relative density :** 1.08 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not available.

## 9.2. Other information

**VOC:** 618 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

Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO<sub>2</sub>

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure:

**Inhalation :** Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

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**Ingestion :** After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.  
**Skin contact :** Irritating to skin  
**Eye contact :** Irritating to eyes

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LD50 oral rat	4016 mg/kg
		LC50 inhal.rat	27596 mg/l
		LD50 derm.rabit	2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3  
Harmful to aquatic life with long lasting effects.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LC50 fish	6812 mg/l
		EC50 daphnia	23300 mg/l
zinc oxide	1314-13-2	LC50 fish	1.1 mg/l
		EC50 daphnia	0.098 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

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## 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.

**National regulations :** 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

### 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.

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## 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. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.  
EU-directive 99/45/EC  
Regulation (EC) No 1272/2008 (CLP)  
Regulation (EC) No 1907/2006 (REACH)

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

\*Explanation risk-phrases:

- R10: Flammable.
- R11: Highly flammable.
- R12: Extremely flammable.
- R20: Harmful by inhalation.
- R21: Harmful in contact with skin.
- R37: Irritating to respiratory system.
- R38: Irritating to skin.
- 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.
- R20/21: Harmful by inhalation and in contact with skin.
- R36/37: Irritating to eyes and respiratory system.
- R36/37/38: Irritating to eyes, respiratory system and skin.
- R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R50/53
- 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.
- 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.
- 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.

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H336 : May cause drowsiness or dizziness.

H351 : Suspected of causing cancer .

H373 : May cause damage to organs through prolonged or repeated exposure

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.

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