Regulation EC No 1907/2006 Art.31

Productname: BIG

Ref.Nr.:

BIOWELD

UDS000371\_3\_20150304 (EN)

Creationdate : Replaces: 04.03.15 Version : 1.0 UDS000371\_20120515

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

#### 1.1. Product identifier

#### **BIOWELD**

Aerosol

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

Welding Products

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

CRC Industries UK Ltd.
Ambersil House - Wylds 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

**Physical:** Aerosol, category 3

Pressurised container: May burst if heated.

Health: Not classified Environment: Not classified

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

Health:Not classifiedPhysical:Not classifiedEnvironment:Not classified

### 2.2. Label elements



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

Signal word: Warning

Hazard statement(s): H229: Pressurised container: May burst if heated.

**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.

P251: Do not pierce or burn, even after use.

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.

### 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	10-30	F+	12	Α	
sodium nitrite	7632-00-0	231-555-9	0-1	O,T,N	8-25-50		
Explanation notes							
A : substance with Community 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		Flam. Gas 1, Press. Gas	H220,H280	А
sodium nitrite		7632-00- 0	231-555- 9	0-1	Ox. Sol. 3, Acute Tox. 3, Aquatic Acute 1	H272,H301,H400	
Explanation notes							
A : substance with Community workplace exposure limit							

<sup>(\*</sup> Explanation phrases : see chapter 16)

# SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Contact with eyes:** If substance has got into eyes, immediately wash out with plenty of water

Contact with skin: Wash with water and soap.

Inhalation: Fresh air, keep warm and at rest.



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Ingestion: If swallowed accidentally, do not induce vomiting and seek medical advice.

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

Inhalation: Excessive inhalation of solvent vapours may give rise to nausea, headaches

and dizziness

Ingestion: May cause gastrointestinal disturbances

Symptoms: sore throat, abdominal pain, nausea, vomiting

Skin contact: Repeated exposure may cause skin dryness or cracking.

May cause irritation. Eye contact:

Symptoms: redness and pain

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

General Advice: In case of accident or 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

water, 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

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



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Absorb spillage in suitable inert material Wash spill site with water and detergent

### 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

Do not spray on a naked flame or incandescent material.

Do not pierce or burn aerosols, even after use.

Do not breathe aerosols or vapours.

Ensure adequate ventilation

Avoid contact with skin and eyes.

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

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Store in a well-ventilated place.

Store frost free

Keep out of reach of children.

# 7.3. Specific end use(s)

Welding Products

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### **Exposure limits:**

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
dimethyl ether	115-10-6	TWA	1000 ppm
National established exposure limits, United Kingdom			
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm

### 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation

Keep away from heat and sources of ignition



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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.

hands and skin: Wear suitable protective gloves against chemicals

Recommended 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 :** Liquid under pressure.

 colour :
 Colorless.

 odour :
 Odorless.

 pH :
 10.5

 Boiling point/range :
 100 °C

Flash point:

Evaporation rate:

Not available.

Explosion limits: upper limit:

Not available.

Not available.

Vapour pressure:

Not available.

Relative density: 1.03 g/cm3 (@ 20°C).

Solubility in water: Soluble in water

Auto-ignition :> 200 °CViscosity :Not available.

### 9.2. Other information

# 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 Store frost free



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### 10.5. Incompatible materials

Strong oxidising agent

# 10.6. Hazardous decomposition products

CO,CO2

# **SECTION 11: Toxicological information**

# 11.1. Information on toxicological effects

### Information on likely routes of exposure:

Inhalation: No adverse health effects expected

**Ingestion:** Ingestion is unlikely to occur

**Skin contact:** Repeated exposure may cause skin dryness or cracking.

**Eye contact :** May cause irritation.

## Toxicological data:

No information available

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Not classified

### **Ecotoxicological data:**

No information available

## 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

No information available

## 12.4. Mobility in soil

Soluble in water

### 12.5. Results of PBT and vPvB assessment



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No information available

### 12.6. Other adverse effects

No information 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

**AEROSOLS** Proper shipping name:

### 14.3. Transport hazard class(es)

2.2 ADR/RID - Classification code: 5A

# 14.4. Packing group

Packing group: Not applicable.

### 14.5. Environmental hazards

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

### 14.6. Special precautions for user

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



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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. 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: R8: Contact with combustible material may cause fire.

R12: Extremely flammable. R25: Toxic if swallowed.

R50

\*Explanation hazard statements: H220: Extremely flammable gas.

H272: May intensify fire; oxidiser.

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

H301 : Toxic if swallowed. H400 : Very toxic to aquatic life.

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.

