

Productname : BIO WELD
 Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
 Replaces: BDS000322_20110607

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

1.1. Product identifier

BIO WELD
 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 Europe bvba
 Touwslagerstraat 1
 9240 Zele
 Belgium
 Tel.: +32(0)52/45.60.11
 Fax.: +32(0)52/45.00.34
 E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Laurinkatu 57 A 23 B, 08100 Lohja	+358/(19)32.921	+358/(19)383.676
CRC Industries France	6, avenue du marais, B.P. 90028, 95102 Argenteuil Cedex	01.34.11.20.00	01.34.11.09.96
CRC Industries Deutschland GmbH	Südring 9, D-76473 Iffezheim	(07229) 303.0	(07229)30 32 66
CRC INDUSTRIES IBERIA S.L.U.	GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Kryptogatan 14, 431 53 Mölndal	0046/31 706 84 80	0046/31 27 39 91

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: Not classified
 Not flammable under normal conditions of use but contains flammable components



Productname : BIO WELD
Creationdate : 14.05.12 Version : 1.0
Ref.Nr.: BDS000322_3_20120514
Replaces: BDS000322_20110607

Environment: (Testing on flammability in closed space, FEA X610-E, are negative)
 Not classified

2.2. Label elements

Risk-phrase(s) : None
Safety-phrase(s) : S2: Keep out of the reach of children.
 S23: Do not breathe vapours/spray.
 S51: Use only in well-ventilated areas.
Special labelling provisions: Safety data sheet available on request.
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.
 18 % by mass of the contents are flammable.

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	A
triethanolamine	102-71-6	203-049-8	<1	-	-	B
potassium hydroxide; caustic potash	1310-58-3	215-181-3	<0.01	C	22-35	B

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	10-30	Flam. Gas 1, Press. Gas	H220,H280	A
potassium hydroxide; caustic potash		1310-58-3	215-181-3	<0.01	Acute Tox. 4, Skin Corr. 1A	H302,H314	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



Productname : BIO WELD
Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
Replaces: BDS000322_20110607

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

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

Inhalation : No adverse health effects expected
Ingestion : May cause gastrointestinal disturbances
Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact : Repeated exposure may cause skin dryness or cracking.
Eye contact : May cause irritation.

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



Productname : BIO WELD
Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
Replaces: BDS000322_20110607

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

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



Productname : BIO WELD
Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
Replaces: BDS000322_20110607

8.2. Exposure controls

Control procedures :	Ensure adequate ventilation Keep away from heat and sources of ignition
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 against chemicals (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 :	Milky.
odour :	Characteristic odor.
pH :	9.1-9.5
Boiling point/range :	Not available.
Flash point :	none °C (Closed Cup)
Evaporation rate :	Not applicable.
Explosion limits : upper limit :	Not available.
lower limit :	Not available.
Vapour pressure :	Not available.
Relative density :	0.99 g/cm ³ (@ 20°C).
Solubility in water :	Soluble in water
Auto-ignition :	> 200 °C
Viscosity :	> 7 mPa.s (@ 40°C).

9.2. Other information

VOC: 170 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



Productname : BIO WELD
Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
Replaces: BDS000322_20110607

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
 Avoid overheating
 Store frost free

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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 :

Hazardous ingredient	CAS-nr.	method	
potassium hydroxide; caustic potash	1310-58-3	LD50 oral rat	333 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
potassium hydroxide; caustic potash	1310-58-3	LC50 fish	80 mg/l

12.2. Persistence and degradability

Readily biodegradable - OECD 301B



Productname : BIO WELD
Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
Replaces: BDS000322_20110607

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Soluble 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: 2.2
ADR/RID - Classification code: 5A

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No



Productname : BIO WELD
Ref.Nr.: BDS000322_3_20120514

Creationdate : 14.05.12 Version : 1.0
Replaces: BDS000322_20110607

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

14.6. Special precautions for user

ADR/RID - Tunnelcode: (E)
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. 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: R12: Extremely flammable.
R22: Harmful if swallowed.
R35: Causes severe burns.
*Explanation hazard statements: H220 : Extremely flammable gas.
H280 : Contains gas under pressure; may explode if heated.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.

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.

