

Productname : ECO BIO WELD
Ref.Nr.: BDS000323_3_20200602 (EN)

Creationdate : 02.06.20 Version : 6.0
Replaces: BDS000323_20200422

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

1.1. Product identifier

ECO 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 BV
Touwslagerstraat 1
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Belgium
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Fax.: +32(0)52/45.00.34
E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Smedsgatan 3-5 LT4, PL62, 08101 LOJO	+358/(19)32.921	
CRC Industries France	6, avenue du marais, C.S. 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 INDUSTR. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Laxfiskevägen 16, 433 38 Partille	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 Regulation (EC) No 1272/2008

Physical:

Aerosol, category 3

Pressurised container: May burst if heated.

Classification is based on test data.

Health:

Skin sensitization, category 1A



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May cause an allergic skin reaction.

Classification based on calculation method.

Environment: Not classified

Classification based on calculation method.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:
 2-methyl-2H-isothiazol-3-one



Signal word: Warning

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

H317 : May cause an allergic skin reaction.

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.

P280-1 : Wear protective gloves/protective clothing.

P333/313 : If skin irritation or rash occurs: Get medical advice/attention.

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: 18 % by mass of the contents are flammable.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

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	10-25	Flam. Gas 1, Press. Gas	H220,H280	A
triethanolamine	01-2119486482-31	102-71-6	203-049-8	<1	-	-	B
ammonium	01-	10361-	233-	<0.1	Acute Tox. 4. Eye Dam. 1	H302 H318	

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carbonate	2119985376-22	29-2	786-0					
1,2-benzisothiazol-3(2H)-one	-	2634-33-5	220-120-9	<0.005	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2	H330,H302,H315,H318,H317,H400,H411	X,R	
2-methyl-2H-isothiazol-3-one		2682-20-4	220-239-6	0.001-0.005	Acute Tox. 3, Acute Tox. 2, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 2	H301,H330,H314,H318,H317,H400,H411	M,X	

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

M : M acute = 10

R : substance in plant protection or biocidal product regarded as being registered (art.15 REACH Regulation No 1907/2006)

X : SCL (specific concentration limit) in accordance with art.10 of CLP Regulation No 1272/2008

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	Avoid contact with eyes. In the event of contact with eyes rinse immediately with plenty of water and seek medical advice.
Contact with skin :	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical advice
Inhalation :	Remove patient to fresh air
Ingestion :	Seek medical attention if ill effects occur

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

Inhalation :	No harmful effects known if used for its intended purpose
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	May cause sensitisation by skin contact. Symptoms : redness and pain
Eye contact :	May cause irritation. Symptoms : redness and pain

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

General Advice : If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture



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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 protective gloves/protective clothing/eye protection/face protection.

6.2. Environmental precautions

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

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
Do not get in eyes, on skin, or on clothing.
Wear protective gloves/protective clothing/eye protection/face protection.
Contaminated work clothing should not be allowed out of the workplace.

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)



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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	
National established exposure limits, Ireland				
triethanolamine	102-71-6	TWA	5 mg/m3	
		STEL	-	
dimethyl ether	115-10-6	TWA	1000 ppm	
		STEL	-	

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.
inhalation :	Ensure adequate ventilation In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equiped with organic gas/vapor cartridge (type A)
hands and skin :	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	Nitrile
eyes :	Wear safety eyewear according to EN 166.
Environmental protection:	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)

Appearance : physical state : DME propelled liquid.

colour : Milky.

odour : Characteristic odor.



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pH :	8.5-9.5
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/cm3 (@ 20°C).
Solubility in water :	Soluble in water
Auto-ignition :	> 200 °C
Viscosity :	> 7 mPa.s (@ 40°C).

9.2. Other information

VOC = volatile organic compounds 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

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,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity: based on available data the classification criteria are not met



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skin corrosion/irritation:	based on available data the classification criteria are not met
serious eye damage/irritation:	based on available data the classification criteria are not met
respiratory or skin sensitisation:	May cause an allergic skin reaction.
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met
STOT-single exposure:	based on available data the classification criteria are not met
STOT repeated exposure:	based on available data the classification criteria are not met
aspiration hazard:	based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation :	No adverse health effects expected
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	May cause sensitisation by skin contact.
Eye contact :	May cause irritation.

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
triethanolamine	102-71-6	LD50 oral rat	6400 mg/kg
		LC50 inhal.rat	1.8 mg/m3
		LD50 derm.rabbit	> 2000 mg/kg
dimethyl ether	115-10-6	LC50 inhal.rat	309 mg/l

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
triethanolamine	102-71-6	LC50 fish	1460 mg/l
		EC50 daphnia	609.9 mg/l
dimethyl ether	115-10-6	IC50 algae	154.9 mg/l
		LC50 fish	4.1 mg/l
		EC50 daphnia	4.4 mg/l

12.2. Persistence and degradability

Readily biodegradable - OECD 301B

12.3. Bioaccumulative potential



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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

GWP (global warming potential): 0

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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: 2.2
ADR/RID - Classification code: 5A

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



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

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: - : -

H220 : Extremely flammable gas.
H280 : Contains gas under pressure; may explode if heated.
H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H330 : Fatal if inhaled.
H400 : Very toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRÉ :

Classification according to Regulation (EC) No 1272/2008

acronyms and synonyms:

TWA = time weight average

STEL = short time exposure limit

VOC = volatile organic compounds

PBT = persistant bioaccumulative toxic

vPvB = very persistant very bioaccumulative

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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