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Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : BIOWELD **Creationdate :** 26.03.10
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1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : BIOWELD
 Aerosol

Application : Welding Products

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2. HAZARD IDENTIFICATION

Health and Safety : Not Classified
Environment : Not Classified
Other hazards : Pressurized container : protect from sunlight and
 do not expose to temperatures exceeding 50°C.

3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
dimethyl ether	115-10-6	204-065-8	10-30	F+	12	A

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	0-1	F,Xi	11-36-67	B
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						
B : substance with national established workplace exposure limit						

(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES

General Advice :	The usual precautions for handling chemicals should be observed If any symptoms should occur, seek medical advice.
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 :	Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice.

5. FIRE-FIGHTING MEASURES

Flash point (without propellant):	Not applicable.
Explosion limits : upper limit :	Not available.
lower limit :	Not available.
Extinguishing media :	foam, carbon dioxide or dry agent
Fire-fighting procedures :	Keep container(s) exposed to fire cool, by spraying with water
Unusual exposure hazard :	Aerosols may explode if heated above 50°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :	Shut off all ignition sources Ensure adequate ventilation
Environmental precautions :	Do not allow to enter public sewers and watercourses If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities
Cleaning methods :	Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures :	Use only in well ventilated areas Do not pierce or burn aerosols, even after use. Do not spray on a naked flame or incandescent material. Do not breathe aerosols or vapours. Avoid contact with skin and eyes.
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Storage procedures : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep in a cool, dry, well ventilated place
Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures : Ensure adequate ventilation
Keep away from heat and sources of ignition

Personal protection : It is advisable to take precautions to avoid contact with skin and eyes when handling the product.
Use only in well ventilated areas
Wear suitable protective clothing.

hands and skin : Wear suitable protective gloves (nitrile)

eyes : Wear safety goggles.

Exposure limits :

Hazardous ingredient	CAS-nr	method	
EU established exposure limits:			
dimethyl ether	115-10-6	TWA	1000 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state : Liquid under pressure.

colour : Colorless.

odour : Odorless.

Boiling point/range : 100 °C

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

pH : 10.5

Vapour pressure : Not available.

Relative vapour density : Not available.

Solubility in water : Soluble in water

Flash point : Not applicable.

Auto-ignition : > 200 °C

Viscosity : Not available.

Evaporation rate : Not available.

10. STABILITY AND REACTIVITY

Conditions to be avoided : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep away from heat and sources of ignition
No hazardous reactions known if used for its intended purpose

Materials to be avoided : Strong oxidising agent

Hazardous decomposition compounds : carbon oxides

11. TOXICOLOGICAL INFORMATION

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

Ingestion : Ingestion is unlikely to occur

After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.

Skin contact :	Prolonged skin contact will result in defatting of the skin
Eye contact :	Irritating to eyes
Other information:	No experimental data available

12. ECOLOGICAL INFORMATION

Other adverse effects :	Do not allow to enter public sewers and watercourses No experimental data available
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13. WASTE DISPOSAL

National regulations :	Disposal should be in accordance with local, state or national legislation
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14. TRANSPORT

UN-number :	1950
Road/Rail - ADR/RID :	UN1950 Aerosols Class : 2.2, PG : NA, Class code : 5A, Label : 2.2, Tunnel-code : (E)
Sea - IMDG :	UN1950 Aerosols Ltd Qty Class : 2.2, PG : NA, Label : 2.2
EmS	F-D,S-U
Air - IATA/ICAO :	UN1950 Aerosols, non-flammable Class : 2.2, PG : NA, Label : RNG
Packing instr. LQ	Y203
PAX	203
CAO	203

15. REGULATORY INFORMATION

Safety-phrase(s) :	S2: Keep out of the reach of children.
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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.

16. OTHER INFORMATION

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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REVISIONS IN CHAPTRE :	2,9
*Explanation risk-phrases:	R8: Contact with combustible material may cause fire. R11: Highly flammable. R12: Extremely flammable.

R25: Toxic if swallowed.

R36: Irritating to eyes.

R50: Very toxic to aquatic organisms.

R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.