



## Material Safety Data Sheet

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This material safety data sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** M10, M11, F10, F11, V913, V913 ES, V913 DS, V913 ES ADC, V913 DS ADC, V913 ES ADC Plus, V913 DS ADC Plus, V613 GDS ADC, V613 GDS ADC Plus, 613 XL ADC Plus, SQ913, POWER DS, POWER ES, POWER GDS, GRAND DS, GRAND ES, GRAND GDS

**MANUFACTURER:** Balder Ltd.

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**Issue Date:** 01/04/2009

**Group:** 21-4513-4

**Product Use:** Intended Use: Protection of face and eyes against welding radiation and spatter.

### SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
Glass	Unknown	45 - 65
Plastic Frame	Unknown	10 - 20
Printed Circuit Board	Unknown	2 - 10
Electronic components	Unknown	5 - 10
Battery	Unknown	4 - 8

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** Automatically Darkening Welding Filter, Consist of an optical glass assembly of liquid crystal cells with polarizers, an inside protection plate and a printed circuit board equipped with electronic components, mounted in a black plastic frame.

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** This product, when used under reasonable conditions and in accordance with the Balder directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

### 3.2 POTENTIAL HEALTH EFFECTS

<b>Eye Contact:</b>	No health effects are expected
<b>Skin Contact:</b>	No health effects are expected
<b>Inhalation:</b>	No health effects are expected
<b>Ingestion:</b>	No health effects are expected

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

Not determined.

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## SECTION 4: FIRST AID MEASURES

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### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

<b>Eye Contact:</b>	No need for first aid is anticipated.
<b>Skin Contact:</b>	No need for first aid is anticipated.
<b>Inhalation:</b>	No need for first aid is anticipated.
<b>If Swallowed:</b>	No need for first aid is anticipated.

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## SECTION 5: FIRE FIGHTING MEASURES

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### 5.1 FLAMMABLE PROPERTIES

<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>
<b>Flammable Limits - LEL</b>	<i>Not Applicable</i>
<b>Flammable Limits - UEL</b>	<i>Not Applicable</i>
<b>OSHA Flammability Classification</b>	<i>Not Applicable</i>

### 5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g. carbon dioxide, dry chemical, etc.)

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Not applicable. No unusual fire or explosion hazards are anticipated.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Accidental Release Measures:** *Not Applicable*

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## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

### 7.2 STORAGE

Not applicable.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Not applicable.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection	<i>Not Applicable</i>
8.2.2 Skin Protection	<i>Not Applicable</i>
8.2.3 Respiratory Protection	<i>Not Applicable</i>
8.2.4 Prevention of Swallowing	<i>Not Applicable</i>

### 8.3 EXPOSURE GUIDELINES

None Established.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Odor, Color, Grade</b>	Automatically Darkening Welding Filter, Consist of a optical glass assembly of liquid crystal cells with polarizers, an inside protection plate and a printed circuit board equipped with electronic components, mounted in a black plastic frame.
<b>General Physical Form</b>	Solid
<b>Autoignition temperature</b>	<i>Not Applicable</i>
<b>Flash Point</b>	<i>Not Applicable</i>
<b>Flammable Limits - LEL</b>	<i>Not Applicable</i>
<b>Flammable Limits - UEL</b>	<i>Not Applicable</i>
<b>Boiling point</b>	<i>Not Applicable</i>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Specific Gravity</b>	<i>Not Applicable</i>
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point</b>	<i>No Data Available</i>
<b>Solubility In Water</b>	<i>Not Applicable</i>
<b>Evaporation rate</b>	<i>Not Applicable</i>
<b>Volatile Organic Compounds</b>	<i>Not Applicable</i>
<b>Percent volatile</b>	<i>Not Applicable</i>
<b>VOC Less H2O &amp; Exempt Solvents</b>	<i>Not Applicable</i>
<b>Viscosity</b>	<i>Not Applicable</i>

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.  
**Materials and Conditions to Avoid:** None known.  
**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

**Hazardous Decomposition:** Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Not applicable.

**CHEMICAL FATE INFORMATION:** Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Reclaim if feasible.

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

**ID Number(s):**

52-0001-6321-3, 52-0001-6323-9, 52-0001-6327-0, 52-0001-6336-1, 52-0001-6347-8, 52-0001-6360-1, 52-0001-6365-0, 520001-6372-6, 52-0001-7472-3, 52-0001-7475-6, 52-0001-7485-5

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact Balder for more information.

### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

**STATE REGULATIONS**

Contact Balder for more information.

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

**INTERNATIONAL REGULATIONS**

Contact Balder for more information.

**This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

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**SECTION 16: OTHER INFORMATION**

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**NFPA Hazard Classification**

**Health: 0   Flammability: 1   Reactivity: 0   Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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