



# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 05/01/2015

Version: 1.0

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

#### 1.1. Product identifier

Trade name : Blazer Bond  
Other means of identification : Cyanoacrylate Adhesive  
Superglue

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Arrow Fletching Adhesive, Nock Adhesive

##### 1.2.2. Uses advised against

No additional information available

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

Manufacturer:

Bohning Company Ltd.  
7361 North Seven Mile Road  
Lake City, MI 49651  
Tel: 231-229-4247

Only Representative:  
B-Lands Consulting  
World Trade Center  
5 Place Robert Schuman - BP 1516  
38025 Grenoble, France  
Tel. +33 476 295 869  
Website: www.reachteam.eu

#### 1.4. Emergency telephone number

Emergency number : HAZMAT (International Shipments) +1-484-951-2432 (24 hours)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
STOT SE 3 H335

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36/37/38

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation

Precautionary statements (CLP) :

P261 - Avoid breathing mist, spray, vapours, fume, gas, dust  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear eye protection, protective gloves, protective clothing

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

P302+P352 - IF ON SKIN: Wash with plenty of water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER, a doctor if you feel unwell  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to comply with applicable local, national and international regulation.

### 2.3. Other hazards

other hazards which do not result in classification : Cyanoacrylates bond to tissue and skin; rapidly and strongly. A large drop may cause burn upon solidification. Contact with these materials may cause polymerization. The polymerization of large amounts of adhesive will generate heat causing smoke, skin burns, and strong, irritating vapors.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Substance type : Multi-constituent  
Name : Blazer Bond (EU CLP)

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Ethyl cyanoacrylate	(CAS No) 7085-85-0 (EC no) 230-391-5 (EC index no) 607-236-00-9	80 - 95	Xi; R36/37/38
Methyl methacrylate polymer	(CAS No) 9011-14-7 (EC no) 618-466-4	5 - 10	Not classified

Name	Product identifier	Specific concentration limits
Ethyl cyanoacrylate	(CAS No) 7085-85-0 (EC no) 230-391-5 (EC index no) 607-236-00-9	(C >= 10) Xi;R36/37/38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl cyanoacrylate	(CAS No) 7085-85-0 (EC no) 230-391-5 (EC index no) 607-236-00-9	80 - 95	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Methyl methacrylate polymer	(CAS No) 9011-14-7 (EC no) 618-466-4	5 - 10	Not classified

Name	Product identifier	Specific concentration limits
Ethyl cyanoacrylate	(CAS No) 7085-85-0 (EC no) 230-391-5 (EC index no) 607-236-00-9	(C >= 10) STOT SE 3, H335

Full text of R- and H-phrases: see section 16

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.

First-aid measures after skin contact : Quickly soak in warm water and avoid use of excessive force to free bonded area. If unable to free bonded area, or if lips or mouth are bonded, get medical attention. Do not use force or solvents to remove product incrustations from affected skin areas. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : If eyelids are bonded closed release eyelashes with warm water by covering the eye with a wet pad. Do not force eyelids open. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. If lips are accidentally stuck together apply lots of warm water and encourage maximum wetting and pressure from saliva inside the mouth. Do not try to pull the lips with direct opposing action.

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

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

- Symptoms/injuries after inhalation : May cause respiratory irritation. In case of repeated or prolonged exposure : Irritating to the nose, throat, and respiratory tract. Difficulty breathing and tightness in the chest. Burning in the nasal passage.
- Symptoms/injuries after skin contact : Causes skin irritation. Cyanoacrylates bond to tissue and skin; rapidly and strongly. A large drop may cause burn upon solidification.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Risk of damage to eyes. This material or its emissions may defat skin, cause contact dermatitis, or aggravate existing skin disease.
- Symptoms/injuries after ingestion : Unlikely route of exposure.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray, dry chemical powder, carbon dioxide, alcohol foam, polymer foam.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

- Explosion hazard : Closed containers exposed to heat from fire may build pressure and explode.

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Use water spray or fog for cooling exposed containers.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. In the event of a fire, wear a CEN (EU) or NIOSH (US) approved, positive- pressure, self-contained breathing apparatus (SCBA) and full protective clothing.
- Other information : Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Closed containers exposed to heat from fire may build pressure and explode. On combustion, forms: carbon oxides (CO and CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Vapors exceeding the flash point will ignite when exposed to flame. DO NOT Use cotton, PVC or wool. Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Spilled material may present a slipping hazard.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Wear protective gloves and protective clothing. For further information refer to section 8 : Exposure-controls/personal protection.
- Emergency procedures : Evacuate unnecessary personnel. Exclude sources of ignition and ventilate the area.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection. Complete protective clothing.
- Emergency procedures : Ventilate area. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : Small Spill Cleanup: Do not use cloths for clean-up. Flood spilled material with water to polymerize. Cured material can be scraped up.  
Large Spill Cleanup: Large spills be dike off and flood spilled material with water to polymerize. Cured material can be scraped up. Collect spillage. Store away from other materials. Consult the appropriate authorities about waste disposal. Ensure all national/local regulations are observed.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and skin contact and do not breathe vapour and mist. Use only outdoors or in a well-ventilated area. Avoid contact with paper goods or fabric. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors.

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Hygiene measures : Do not eat, drink or smoke when using this product. Remove contaminated clothing immediately. Take care for general good hygiene and housekeeping.

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

Technical measures : Facilities: shower, eye shower. Provide adequate ventilation. Local exhaust ventilation is recommended to maintain vapor level below the threshold limit value (TLV).

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container tightly closed. Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep away from sources of ignition - No smoking. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Keep away from heat and direct sunlight. Keep away from food, drink and animal feeding stuffs.

Incompatible materials : Avoid contact with paper goods or fabric. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors. Keep away from strong acids, strong bases and oxidizing agents. Protect from moisture. DO NOT Use cotton, PVC or wool. Avoid contact with paper goods or fabric. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors.

Storage area : Ensure adequate ventilation of the storage area. Smoking, eating and drinking should be prohibited in areas of storage and use.

Special rules on packaging : Correctly labelled.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethyl cyanoacrylate (7085-85-0)		
Austria	MAK (mg/m <sup>3</sup> )	9 mg/m <sup>3</sup>
Austria	MAK (ppm)	2 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	1.04 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	0.2 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0.2 ppm
Spain	VLA-ED (ppm)	0.2 ppm
Switzerland	VME (mg/m <sup>3</sup> )	9 mg/m <sup>3</sup>
Switzerland	VME (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	0.3 ppm
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	2 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	0.2 ppm
Ireland	OEL (8 hours ref) (ppm)	0.2 ppm
Ireland	OEL (15 min ref) (ppm)	0.6 ppm (calculated)
Lithuania	IPRV (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	2 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	4 ppm
Poland	NDS (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	2 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	4 ppm
Portugal	OEL TWA (ppm)	0.2 ppm
Methyl methacrylate polymer (9011-14-7)		
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	20.0 mg/m <sup>3</sup>

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 8.2. Exposure controls

Appropriate engineering controls	: Local exhaust ventilation is recommended to maintain vapor level below the threshold limit value (TLV). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	: Avoid all unnecessary exposure.
Materials for protective clothing	: DO NOT Use cotton, PVC or wool. Avoid contact with paper goods or fabric. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors.
Hand protection	: Wear Polyethylene or non reactive.
Eye protection	: Chemical goggles or safety glasses. with side-shields.
Skin and body protection	: Use chemically protective clothing.
Respiratory protection	: Wear appropriate mask. In case of inadequate ventilation wear respiratory protection.
Environmental exposure controls	: Avoid release to the environment.
Consumer exposure controls	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Other information	: Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Clear.
Odour	: Sharp. Irritating.
Odour threshold	: 1 - 2 ppm
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 148.89 °C ( > 300 °F )
Flash point	: 65.55 - 93.33 °C (150 - 200 °F ) (Tag Closed Cup)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: < 0.2 mm Hg @ 25°C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.06 at 20 °C Specific Gravity (H2O = 1)
Solubility	: Water: Negligible solubility. Polymerized by water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: < 20 g/l ( <2% estimated)
-------------	-----------------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established. Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Polymerized by contact with water, alcohols, amines and alkalis.

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 10.5. Incompatible materials

Strong acids. Strong bases. Water. alcohols. Amines. alkalis. Peroxides. Natural fibres (e.g. cotton). DO NOT Use cotton, PVC or wool.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Amines. Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified Based on available data, the classification criteria are not met
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

<b>Blazer Bond</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>Blazer Bond</b>	
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### Additional information

: Waste Disposal Method: Polymerize material fully with water and then bury in a suitable landfill as permitted by government regulations. This information of RCRA waste classification and disposal methodology provided below applies only to the BOHNING Products, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR part 261 et seq.) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste, information contained in Section 15 of this MSDS is not intended to indicate if the product is a listed hazardous waste. RCRA Hazardous Waste has four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 5 of this MSDS (Flash Point). For Corrosivity, see Section 9 and 14 (pH and DOT Corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 3 and 12 (Composition, Ecological Hazards). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. Bohning encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. Bohning recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at an EPA approved facility. Bohning has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

### Ecology - waste materials

: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

No additional information available

#### 14.6.2. Transport by sea

No additional information available

#### 14.6.3. Air transport

No additional information available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Blazer Bond
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------

Contains no substance on the REACH candidate list

VOC content : < 20 g/l ( <2% estimated)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# Blazer Bond

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 16: Other information

Other information : None.

Full text of R-, H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
R36/37/38	Irritating to eyes, respiratory system and skin
Xi	Irritant

SDS EU (REACH Annex II)

*The conditions of handling, storage, use and disposal of the product covered by this SDS are beyond the control and knowledge of Bohning Archery. Therefore we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This SDS meets the requirements specified in 29 CFR 1910.1200. Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product*