

Safety Data Sheet

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Date of issue : 1 October 2024 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product form : Substance Trade name : Arrow Lock Other means of identification Cyanoacrylate Adhesive Superglue rubber toughened 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Fletching vanes, gluing nocks 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 1.4. **Emergency telephone number** Emergency number ÷ HAZMAT +1-800-373-7542 (24 hours) HAZMAT (International Shipments) +1-484-951-2432 (24 hours) SECTION 2: Hazards identification Classification of the substance or mixture 2.1. **GHS-US** classification Flam. Liq. 4 H227 Skin Irrit. 2 H315 Eye Irrit. 2A H319 STOT SE 3 H335 WHMIS Classification Class B Division 3 - Combustible Liquid 2.2. Label elements : Cyanoacrylates bond to tissue and skin; rapidly and strongly. A large drop may cause burn upon other hazards which do not result in classification 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. Unknown acute toxicity (GHS US) 2.4. No data available SECTION 3: Composition/information on ingredients 3.1. Substances Substance type : Multi-constituent : Arrow Lock Name Product identifier **GHS-US classification** Name WHMIS Classification % Class B Division 3 -Ethyl 2-cyanoacrylate (CAS No) 7085-85-0 90-100 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Combustible Liquid STOT SE 3, H335 Full text of 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.

Safety Data Sheet
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the
Controlled Products

First-aid measures after inhalation :	In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.	
First-aid measures after skin contact :	Immediately was with water and soap and rinse thoroughly.	
First-aid measures after eye contact :	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.	
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	
4.2. Most important symptoms and effects.	both acute and delayed	
Symptoms/injuries after inhalation :	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 at	tention and special treatment needed	
No additional information available		
SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media :	Use extinguishing media appropriate for surrounding fire. Foam. powder, alcohol-resistant foam, carbon dioxide (CO2).	
Unsuitable extinguishing media :	Do not use a heavy water stream.	
5.2. Special hazards arising from the subst	ance 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. Avoid (reject) fire-fighting water to enter 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 measu	res	
6.1. Personal precautions, protective equip	ment and emergency procedures	
General measures :	Closed containers exposed to heat from fire may build pressure and explode. On combustion, forms: carbon oxides (CO and CO2). Nitrogen oxides (NOx). 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.	
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/surface or ground water.		
6.3. Methods and material for containment	and cleaning up	
Methods for cleaning up:	Small Spill Cleanup: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	

Large Spill Cleanup: Large spills be diked off and flood spilled material with water to polymerize. Cured material can be scraped up. Collect spillage. Store away from other materials.

Safety Data Sheet This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

6.4.	Reference to other sections		
See He	ading 8. Exposure controls and pers	onal protection.	
SECT	ION 7: Handling and storag	e	
7.1.	Precautions for safe handling		
Precaut	tions 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.	
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, inc	luding any incompatibilities	
Technic	cal measures	: Facilities: shower, eye shower. Provide adequate ventilation. Local exhaust ventilation is recommended to maintain vapor level below the threshold limit value (TLV).	
Storage	e 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 absorbtion 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.	
Incomp	atible 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	earea	: Store in a cool location. Store only in the original receptacle. Store away from oxidizing agents. Keep package tightly sealed.	
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 2-cyanoacrylate (7085-85-0)				
ACGIH	ACGIH TWA (ppm)	0.2 ppm		
Alberta	OEL TWA (mg/m ³)	1 mg/m ³		
Alberta	OEL TWA (ppm)	0.2 ppm		
British Columbia	OEL TWA (ppm)	0.2 ppm		
Manitoba	OEL TWA (ppm)	0.2 ppm		
New Foundland & Labrador	OEL TWA (ppm)	0.2 ppm		
Nova Scotia	OEL TWA (ppm)	0.2 ppm		
Ontario	OEL TWA (ppm)	0.2 ppm		
Prince Edward Island	OEL TWA (ppm)	0.2 ppm		
Saskatchewan	OEL STEL (ppm)	0.6 ppm		
Saskatchewan	OEL TWA (ppm)	0.2 ppm		

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. Wear protective work clothing.
Hand protection	:	Wear Polyethylene, impermeable and resistant to the product gloves. Wash hands when finished.
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.

Safety Data Sheet This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

Other information

: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical pr	operties
9.1. Information on basic physical and che	emical properties
Physical state	: Liquid
Appearance	: Black, liquid.
Colour	: Black
odour	: Strong
Odour threshold	: 1 - 2 ppm
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 60 °C (> 140 °F)
Flash point	: 87 °C (188.6 °F) (Tag Closed Cup)
Self ignition temperature	: Product is not self igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ~1.05 g/cm ³ at 20 °C Specific Gravity (H2O = 1)
Solubility	: Water: not miscible or difficult to mix.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1,500 mPas at 20°C (68°F)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other Information	(0.00%) (0.0 a/l or 0.00lb/ad)
VOC content	. 0.00 % (0.0 g/i 0i 0.00ib/gai)
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
No decomposition if used according to specification	IS.
10.3 Descibility of bazardous reactions	
No dangerous reactions known	
10.4. Conditions to avoid	
No further relevant information available.	
10.5. Incompatible materials	
No further relevant information available.	
10.6. Hazardous decomposition products	
No dangerous decomposition products known.	
SECTION 11: Toxicological informatio	n
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eve damage/irritation	: Causes serious eve irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified. Based on available data. the classification criteria are not met
01 October 2024	EN (English) //7

Safety Data Sheet

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

Carcinogenicity		Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	:	Not classified. Based on available data, the classification criteria are not met 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.
Symptoms/injuries after inhalation	:	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.

SECTION 12: Ecological information

12.1. Toxicity

Not hazardous for water.

12.2.	Persistence and degradability	
Arrow	Lock	
Persist	tence and degradability	Not established.
12.3.	Bioaccumulative potential	
Arrow	Lock	
Bioaco	cumulative potential	Not established.
12.4.	Mobility in soil	
No addit	tional information available	
12.5.	Other adverse effects	
Other in	formation	: Avoid release to the environment.
SECT	ON 13: Disposal considerations	3
13.1.	Waste treatment methods	
Was	te disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Addi	tional 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 on 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 indicated if the product is a listed hazardous waste. RCRA Hazardous Waste have 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

Ecology - waste materials

: Avoid release to the environment.

waste classification and disposal method.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number DOT- NA1993

ADN, IMDG, IATA- Not regulated

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 facilities. Bohning has proved the foregoing for information only; the person generating the waste is responsible for determining the

Safety Data Sheet

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

14.2. UN proper shipping name	
DOT: Combustible liquid, N.O.S.	ADN, IMDG, IATA: Not regulated
14.2 Additional information	
Other information	: No supplementary information available.
Overland transport	
No additional information available	
Transport by sea	
No additional information available	

Air transport No additional information available

SECTION 15: Regulatory information

CANADA

Arrow Lock	
WHMIS Classification	Class B Division 3 - Combustible Liquid

Ethyl cyanoacrylate (7085-85-0)

Listed on the Canadian DSL	(Domestic Sustances List) inventory.
WHMIS Classification	Class B Division 3 - Combustible Liquid

15.2. International regulations

Ethyl cyanoacrylate (7085-85-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EU-Regulations

Ethyl cyanoacrylate (7085-85-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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

Skin Irrit. 2H315Eye Irrit. 2H319STOT SE 3H335

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36/37/38

Full text of R-phrases: see section 16

15.2.2. National regulations

Ethyl cyanoacrylate (7085-85-0)

Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on the Korean ECL (Existing Chemical List) inventory. Listed on New Zealand - Inventory of Chemicals (NZIoC) Listed on Inventory of Chemicals and Chemical Substances (PICCS)

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 4	flammable liquids Category 4
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3

Safety Data Sheet

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products

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

HMIS III Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 2 Moderate Hazard

Physical

: 1 Slight Hazard

SDS Canada (GHS)

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.