


This brief provides a general overview of the **Safety Data Sheet** requirements in the Hazard Communication Standard OSHA's 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200).

Section 1 ~ Identification

Identity (As Used On Label and List) B4122 Glue It	Date Prepared: 02-26-2015
Company Information: OMEGA INDUSTRIAL SUPPLY, INC	Emergency Telephone Number: 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	Telephone Number for Information: 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	Signature of Prepare (Optional) REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

<i>Classification</i>	Xi Irritant	R36/37/38	Irritating to eyes, respiratory system and skin.
	Eye irrit. 2	H319	Causes serious eye irritation
	STOT SE 3	H335	May cause respiratory irritation.
	Skin Irrit. 2	H315	Causes skin irritation
<i>Label elements</i>			Signal word: Warning
<i>Hazard Statement</i>	H319 Causes serious eye irritation. H335 May cause respiratory irritation. H315 Causes skin irritation. EUH202 – “Cyanoacrylate. Danger. Bonds skin and eyes in second. Keep out of the reach of children”		
<i>Precautionary Statement Prevention</i>	P280 Wear protective gloves/protective clothing/eye protection/ face protection.		
<i>Response</i>	P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P332+313 If skin irritation occurs: Get medical advice/attention. P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
<i>Storage</i>	P403+233 Store in a well-ventilated place. Keep container tightly closed		
<i>Disposal</i>	P501 Dispose of contents/container as hazardous or special waste.		

Section 3 ~ Composition/Information on Ingredients

Components (Specific Chemical Identity, Common Name(s))	CAS No.	EC No.	Index No.	Concentration	Classification (DSD/CLP)	Specific Concentration Limits
Ethyl-2-cyanoacrylate	7085-85-0	230-391-5	607-236-00-9	80 – 99 %	Xi; R36/37/38	C ≥ 10% : Xi; R36/37/38
					Eye irrit. 2 ; H319	
					STOT SE 3 ; H335	
					Skin irrit. 2; H315	

Section 4 ~ First Aid Measures

Eyes — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause an abrasive damage.

Skin— Wash with plenty of soap and water. Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin.

If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action. If skin irritation occurs: Get medical advice/attention.

Inhalation — Remove victim to fresh air and keep at rest in a position comfortable for breathing. If still feeling unwell seek medical attention.

Ingestion — Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

Most Important Symptoms/Effects, Acute And Delayed — Gross contamination with the adhesive may generate enough heat to cause a burn.

Indication Of Immediate Medical Attention And Special Treatment Needed — Not determined.

General information— Call a POISON CENTER or doctor/physician if you feel unwell

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media – Dry powder, foam, carbon dioxide, fine water spray.

Unsuitable Extinguishing Media – Water jet.

Specific hazards arising from the chemical – Trace amounts of toxic fumes may be released on incineration. Hazardous combustion products: oxides of carbon, oxides of nitrogen, irritating organic vapors.

Advice for fire-fighters– Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and suitable protective clothing.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment And Emergency Procedures – Ensure adequate ventilation. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid skin and eye contact. Avoid breathing dust/fume/gas/mist/vapors/spray.

Methods And Materials For Containment And Cleaning Up – Do not use clothes for mopping up. Flood with water to complete polymerisation and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

Environmental Precautions - Do not let product enter drains.

Reference to Other Sections– Safe handling: see section 7. Disposal: see section 13. Personal protective equipment: see section 8

Section 7 ~ Handling and Storage

Precautions For Safe Handling – Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Ventilation (low level) is recommended when using large volumes. Use of dispensing equipment is recommended to minimize the risk of skin or eye contact. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities – For optimum shelf life store in original containers under refrigerated conditions at 2°C to 8°C. Store locked up.

Specific end use(s) – Not applicable

Section 8 ~ Exposure Controls/Personal Protection**Occupational Exposure Limits:**

Country	Type	Value
UK	STEL	0.3 ppm; 1.5 mg. m ⁻³ (15 min)
Ireland	OEL/TWA	0.2 ppm
Germany	MAK	No MAK value established
France	VME/VLE	No VME/VLE established

Derived DNEL(s)/DMEL(s)

Type	Details	Value	Basis
Worker – inhalation route	Systemic effect – Long term exposure	9.25 mg/m ³	irritation (respiratory tract)
Worker – inhalation route	Local effect – Long term exposure	9.25 mg/m ³	irritation (respiratory tract)
General population – inhalation route	Systemic effect – Long term exposure	9.25 mg/m ³	irritation (respiratory tract)
General population – inhalation route	Local effect – Long term exposure	9.25 mg/m ³	irritation (respiratory tract)

Derived PNEC(s)

Tests in aqueous media with ethyl-2-cyanoacrylate with the intent to determine effective concentrations or no effect concentrations cannot be performed due to technical reasons based on the chemical properties of the monomer.

Appropriate engineering controls – Provide adequate ventilation in area of use. Do NOT use this product in an enclosed or poorly ventilated area. Local exhaust ventilation is normally required when handling or using this product to keep airborne powder below the nationally authorized limits. If ventilation alone cannot control exposure, respiratory protection must be used.

Respiratory Protection– Respiratory protection: Ensure adequate ventilation.

Eye/face protection– Wear protective glasses.

Hand Protection– In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended. The use of chemical resistant gloves such as Nitrile is recommended. Polyethylene or polypropylene gloves are recommended when using large volumes. Do not use PVC, rubber, nylon or cotton gloves.

General hygiene considerations – Good industrial hygiene practices should be observed. Take off contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

Section 9 ~ Physical Chemical Properties

Boiling Point	214 °C (at 1003 mbar)	Specific Gravity	1.043 g/cm ³ at 20°C
Vapor Pressure	≤ 21 Pa	Melting/Freezing Point	-31°C
Vapor Density	N/D	Evaporation Rate (Butyl Acetate = 1)	N/D
Solubility in Water	≤ 0,024 mg/l	pH	N/D
Appearance and Odor — Liquid, transparent, colorless with pungent odor.		VOC%	-
Flash Point (Method Used): 82.5 °C (at 1003 mbar)	Auto - Flammability: 480°C	Lower Flammability Level: N/A	Upper Flammability Level: N/A

Section 10 ~ Stability and Reactivity

Stability: Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid – Moisture, humidity, basic material	Possibility of hazardous reactions: Polymerisation will occur in the presence of moisture and other basic materials.
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Incompatibility (Materials to Avoid) – Water, soil, amines, alkalis and alcohols.

Hazardous Decomposition or Byproducts – Oxides of carbon, oxides of nitrogen.

Reactivity – Not Determined

Section 11 ~ Toxicological Information

Acute toxicity — Oral: LD50 (oral, rat) > 5000 mg/kg bw (OECD 401). Dermal: LD50 (dermal, rabbit) > 2000 mg/kg bw (OECD 402). Inhalation: In dry atmosphere with < 50% humidity, vapors may irritate the eyes and respiratory system. Prolonged exposure to high concentrations of vapors may lead to chronic effects in sensitive individuals.

Skin corrosion/irritation — Causes skin irritation

Serious eye damage/irritation — Irritating to eyes. In a dry atmosphere (RH<50%) vapors may cause irritation and lachrymatory effect.

Respiratory or skin sensitization — Due to polymerisation at the skin surface allergic reaction is not considered possible. The polymerized material is not able to penetrate into the epidermis.

Germ cell mutagenicity — Because of the reduced exposure to monomer and the reported negative test result in various mutagenicity tests, ethyl-2-cyanoacrylate cannot be classified as mutagen.

Carcinogenicity — Not carcinogenic

Reproductive toxicity - Not toxic by reproduction

STOT-single exposure — May cause irritation for skin, eyes and respiratory system

STOT-repeated exposure — Ethyl-2-cyanoacrylate is not toxic by repeated absorption

Aspiration hazard — Not determined

Section 12 ~ Ecological Information**Toxicity** — Low ecotoxicity**Persistence and degradability** — Not applicable (the test compound would polymerize with contact of water or the moisture of the soil immediately)**Bioaccumulative potential** — Not applicable (in presence of moisture ethyl-2-cyanoacrylate polymerises within seconds)**Mobility in soil** — Not applicable (the test compound would polymerize with contact of water or the moisture of the soil immediately)**Results of PBT and vPvB assessment** — The PBT and vPvB criteria do not apply to ethyl-2-cyanoacrylate**Other adverse effects** — Not determine**Section 13 ~ Disposal Considerations****Waste Treatment Methods** — Product disposal: Cured adhesive: Dispose of as water insoluble non-toxic solid chemical in authorized landfill or incinerate under controlled conditions. Dispose of in accordance with local and national regulations. Polymerise by adding slowly to water (10:1). Contribution of this product to waste is very insignificant in comparison to article in which it is used.**Disposal of Uncleaned Packages** — After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal land fill site or incinerated. Disposal must be made according to official regulations.**Waste Code Numbers / Waste Identification** — 08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances**Section 14 ~ Transport Information**

US Depart. of Transportation (DOT)		Water Transportation (IMDG)		Air Transportation (IATA)	
Proper Shipping Name:	Not Regulated	Proper Shipping Name:	Not Regulated	Proper Shipping Name:	Liquid, (Cyanoacrylate ester)
Hazard Class:	Not Regulated	Hazard Class:	Not Regulated	Hazard Class:	9
UN Number:	Not Regulated	UN Number:	Not Regulated	UN Number:	Not Regulated
Packing Group:	Not Regulated	Packing Group:	Not Regulated	Packing Group:	Packaging instructions (passenger): 906. Packaging instructions (cargo): 906
Environmental Hazards:	-	Environmental Hazards:	No	Environmental Hazards:	-
Classification:	Not Regulated	Classification:	Not Regulated	Classification:	(Cyanoacrylate ester), 9

Special precautions for user: Not determined**Transport in Bulk:** Not determined**Section 15 ~ Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture:** Not determined**Chemical safety assessment:** A chemical safety assessment has been performed.**Section 16 ~ Other Information****Indication on the revision:** SDS revised on the 02th February 2015: inclusion of CLP and DSD classification according to CLP regulation (1272/2008/EC) and addition of all fields as required by regulations 1907/2006/EC and 453/2010/EC.**Abbreviations and acronyms:** ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on inland waterways.

ADR/RID: European Agreement, concerning the International Carriage of Dangerous Goods by Road/ Regulations concerning the international carriage of dangerous goods by rail.

ACGIH: American Conference of Governmental Industrial Hygienists

CAS Number: Chemical Abstract Service Number

CLP: Classification, Labelling and Packaging

DNEL: Derived No Effect Level

DPD: Dangerous Preparation Directive

DSD: Dangerous Substance Directive

EC Number: European Commission Number

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Associations

IMDG: International Maritime Dangerous Goods code

NIOSH: National Institute of Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PNEC: Predicted No Effect Concentration

PBT: Persistent, Bio accumulative, Toxic

UN Number: United Nations Number

UVCB: Substances of Unknown or Variable composition, Complex reaction products or Biological materials

TWA: Time-Weighted Average

VOC: Volatile organic compounds

VPvB: very Persistent and very Bio accumulative

WEL: Workplace Exposure Limit (UK HSE EH40)

Key literature references and sources for data: The present data in this SDS are based on the data present in the registration dossier of Ethyl Cyanoacrylate.**Classification of mixtures and applied evaluation method:** Not applicable**Wording of the R- and H- phrases (which are not written in full under section 2 to 15):**

Risk phrases: -

H statements: -

S phrases:

S23 Do not breathe vapor

S24/25 Avoid contact with skin and eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Training advice: Unavailable

	NFPA	HMIS	Key
HEALTH	-	-	4= Severe
FLAMMABILITY	-	-	3= Serious
REACTIVITY	-	-	2= Moderate
OTHER/PROTECTION	-	-	1= Slight 0= Minimal

Disclaimer: The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.