CB200 Adhesive

ACCORDING TO US CFR 1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: CB200 Adhesive

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

Identified Use(s): Two component epoxy adhesive.

Uses Advised Against: Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification: Click Bond, Inc.
2151 Lockheed Way
Carson City, NV 89706231
USA

Telephone: +1 (775) 885 8000

E-mail: Glenn.Hutt@clickbond.com

1.4 Emergency telephone number

VelocityEHS: 1+ (813) 248-0573

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

US CFR 1910.1200:
Flam. Liq. 2 :Highly flammable liquid and vapor.
Acute Tox. 4 :Harmful if swallowed.
Skin Corr. 1A :Causes severe skin burns and eye damage.
Skin Sens. 1 :May cause an allergic skin reaction.
Eye Dam. 1 :Causes serious eye damage.
STOT SE 3 :May cause respiratory irritation.
Carc. 2 :Suspected of causing cancer.

2.2 Label elements

According to US CFR 1910.1200

Product Name: CB200 Adhesive

Hazard Pictogram(s):


GHS02


GHS05


GHS08


GHS07

Signal Word(s): Danger

Hazard Statement(s):
H225: Highly flammable liquid and vapor.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.

Precautionary Statement(s):
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260: Do not breathe vapor.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Methyl methacrylate	80-62-6	50 - 55	Flam. Liq. 2 H225 Skin Irrit. 2 H315 Skin Sens. 1 H317 STOT SE 3 H335	GHS02 GHS07
Methacrylic acid	79-41-4	5 - 10	Flam. Liq. 4 H227 Acute Tox. 4 H302 Acute Tox. 3 H311 Skin Corr. 1A H314 Eye Dam. 1 H318 Acute Tox. 4 H332 STOT SE 3 H335	GHS06 GHS05 GHS07
N,N-dimethylaniline	121-69-7	1 - 5	Flam. Liq. 4 H227 Acute Tox. 3 H301 Acute Tox. 3 H311 Eye Irrit. 2B H320 Acute Tox. 3 H331 Carc. 2 H351	GHS06 GHS08
Reaction products of 2-hydroxyethyl methacrylate and diphosphorous pentoxide and water		1-5	Skin Corr. 1A H314 Eye Dam. 1 H318	GHS05
1,1'-(p-tolylimino)dipropan-2-ol	38668-48-3	1-5	Acute Tox. 2 H300 Eye Irrit. 2A H319	GHS06 GHS07
Zinc oxide	1314-13-2	<1	Not classified.	None
2-hydroxyethyl methacrylate	868-77-9	<1	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2A H319	GHS07

For full text of H/P Statements see section 16.

CB200 Adhesive

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
Skin Contact	Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	If eye contact with adhesive, rinse eyes for at least 15-30 minutes. Transport to hospital or eye specialist while continuing rinsing the eyes during transportation.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic contact eczema. Already sensitized persons to epoxy may react on very small doses.

Causes burns to skin, eyes, respiratory system and gastrointestinal tract.

4.3 Indication of any immediate medical attention and special treatment needed

IF exposed or concerned: Get medical advice/attention.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	In case of fire: Use water spray, foam, dry powder or CO_2 to extinguish.
Unsuitable extinguishing media	Water jet spray

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapor. Decomposes in a fire giving off toxic fumes: Oxides of nitrogen, Carbon monoxide, Carbon dioxide.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Water spray should be used to cool containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Eliminate sources of ignition. Do not breathe vapor. Avoid contact with skin and eyes. Wear protective gloves/ protective clothing/eye protection/face protection. Use only non-sparking tools. Contaminated work clothing should not be allowed out of the workplace.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Collect spillage. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

CB200 Adhesive

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only outdoors or in a well-ventilated area. Use only non-sparking tools. Take precautionary measures against static discharge.
Do not breathe vapor. Avoid contact with skin and eyes. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Already sensitized persons to epoxy should not work with the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	Inorganic acids, organic acids, caustics, oxidizing agents, peroxides, amines, metals, Reducing agent, Acids, bases.

7.3 Specific end use(s)

Two component acrylic adhesive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Methyl methacrylate (Methacrylic acid methyl ester)	80-62-6	50	205	100	410	ACGIH TLV, DSEN, A4
Methyl methacrylate; methyl 2-methyl-2-propenoate	80-62-6	50		100		OSHA PEL
Methyl methacrylate (Methacrylic acid methyl ester)	80-62-6	100	410			NIOSH REL Z-1
Methyl methacrylate (Methacrylic acid methyl ester)	80-62-6	100	410			OSHA PEL Z-1
Methacrylic acid	79-41-4	20	70			ACGIH TLV
Methacrylic acid	79-41-4	20	70			NIOSH REL Z-1, (S)
Dimethylaniline (N,N-dimethylaniline)	121-69-7	5	25	10	50	ACGIH TLV, Skin, A4
N,N-dimethylaniline; dimethylphenylamine	121-69-7	5		10		OSHA PEL
Aniline and homologs	121-69-7					NIOSH REL Z-1, Ca
Dimethylaniline (N,N-dimethylaniline)	121-69-7	5	25	10	50	NIOSH REL Z-1, (S)

Aniline and homologs	121-69-7	5	19			OSHA PEL Z-1, (SK)
Dimethylaniline (N,N-dimethylaniline)	121-69-7	5	25			OSHA PEL Z-1, (SK)
Zinc oxide	1314-13-2		2		10	ACGIH TLV, R
Zinc oxide fume	1314-13-2		5		10	OSHA PEL
Zinc oxide (Total dust)	1314-13-2		10			OSHA PEL
Zinc oxide (Respirable fraction)	1314-13-2		5			OSHA PEL
Zinc oxide, dust	1314-13-2		5		15	NIOSH REL Z-1, C1
Zinc oxide, fume	1314-13-2		5		10	NIOSH REL Z-1
Zinc oxide (Total dust)	1314-13-2		15			OSHA PEL Z-1
Zinc oxide (Respirable fraction)	1314-13-2		5			OSHA PEL Z-1
Zinc oxide, fume	1314-13-2		5			OSHA PEL Z-1

Remark	Notes
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2022
DSEN	May cause dermal sensitization
A4	Not Classifiable as a Human Carcinogen
OSHA PEL	Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2022
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022
(S)	Danger of cutaneous absorption
Skin	Danger of cutaneous absorption
Ca	Potential occupational carcinogens
(SK)	Danger of cutaneous absorption
R	Measured as respirable fraction of the aerosol.
C1	Ceiling limit of Short-term Exposure Limit

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Methemoglobin Inducers	121-69-7	During or end of shift	Blood	Methemoglobin	5% of hemoglobin	B, Ns

Remark	Notes
b	After exposure to soluble compounds
B	Background
Ns	Nonspecific

8.2 Exposure controls

8.2.1. Appropriate engineering controls: Provide adequate ventilation. Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment

Eye Protection: Wear protective eye glasses for protection against liquid splashes.

Skin protection

Where hand contact with the product may occur, the use of gloves made from the following materials may provide suitable chemical protection: Nitrile rubber. For short-term/splash protection we recommend nitrile disposable gloves in the 0,20 – 0,35 mm thickness range with a minimum of >30min break-through times. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for >480 minutes, such as 2,7mm thickness North Silver Shield.
Lower breakthrough time may be acceptable if appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers.
Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Respiratory protection

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
Wear: A respirator fitted with the following cartridge: Organic vapor filter; Gas filtering respirator.

Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Color : Off-white.
Odor	Sweet.
Odor threshold	Not determined.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not applicable.
Flash Point	65° F (18° C) [Closed cup]
Evaporation rate	Faster than n-butyl-acetate
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Lower and upper explosion limit: 1 - 8.8 %(V)
Vapor pressure	Not known.
Vapor density	heavier than air.
Density (g/ml)	1.04 g/cm³ (8.65 lbs/gal)
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Insoluble. Solubility (Other) : Not available.
Partition coefficient: n-octanol/water	Log Pow: 1.38 (Methyl methacrylate)

Auto-ignition temperature	Not determined.
Decomposition Temperature (° C)	Not determined.
Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information

Percent Volatile by weight (%)	0.04%
Percent Volatile by volume (%)	0.05%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

10.5 Incompatible materials

Inorganic acids, organic acids, caustics, oxidizing agents, peroxides, amines, metals, Reducing agent, Acids, bases.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Harmful if swallowed. Methacrylic acid: LD50 (rat) = 1320 mg/kg
Acute toxicity - Skin Contact	Calculation method : Not classified. Methacrylic acid: LD50 (rabbit) = 500 - 1000 mg/kg
Acute toxicity - Inhalation	Calculation method : Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 38.82
Skin corrosion/irritation	Calculation method : Causes severe skin burns. Methacrylic acid: Undiluted Methacrylic acid causes full-depth destruction of the skin after 3 min contact. It is considered to be highly corrosive to tissues.
Serious eye damage/irritation	Calculation method : Causes serious eye damage. Methacrylic acid: Corrosive to eyes. (rabbit)
Skin sensitization data	Calculation method : May cause an allergic skin reaction. Methyl methacrylate: Human data: contact sensitizer in humans with indication of a weak potency (based on skin patch data with low prevalence in relevant cohort studies).
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.

Carcinogenicity	Calculation method : Suspected of causing cancer. N,N-dimethylaniline: Limited evidence of a carcinogenic effect. (rat) It is classified as Carc. 2 in the harmonised system of classification
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : May cause respiratory irritation. No data.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

None anticipated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	No data.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Part of the components are biodegradable.
Methyl methacrylate: Readily biodegradable. (OECD 301C)

12.3 Bioaccumulative potential

No information on this formulation.
Methyl methacrylate: Log Pow: 1.38. The substance has low potential for bioaccumulation.

12.4 Mobility in soil

Insoluble in water. The product is predicted to have low mobility in soil.

12.5 Other adverse effects

None anticipated.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not allow to enter drains, sewers or watercourses. Dispose of this material and its container as hazardous waste.
Low hazard once fully cured. Dispose of contents/container to: Suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

CB200 Adhesive

SECTION 14: TRANSPORT INFORMATION

The Adhesive itself is assigned with UN 1133. This product is supplied or shipped as part of two component acrylic adhesive kits under UN 3269 POLYESTER RESIN KIT

14.1 UN number

UN No.	3269

14.2 UN proper shipping name

UN proper shipping name	POLYESTER RESIN KIT

14.3 Transport hazard class(es)

ADR/RID	
ADR/RID Class	3
ADR Classification Code	F3
Special Provisions	236 340
Limited Quantities	5 L
Excepted Quantities	See SP 340
Emergency Action Code	•2YE
Mixed Packing Instructions for Packages	P302 R001
Special Packing Provisions for Packages	
Mixed Packing Instructions for Packages	
Instructions for Portable Tanks	
Special Provisions for Portable Tanks	
Tank Code for Tanks	
Special Provisions for Tanks	
Vehicle for Tank Carriage	
ADR Transport Category	2
Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2 S20
ADR HIN	
IMDG	
IMDG Class	3
Special Provisions	236 340
Limited Quantities	5 L
Excepted Quantities	See SP 340
Mixed Packing Instructions for Packages	P302 R001

Special Packing Provisions for Packages	
Instructions for Portable Tanks	
Special Provisions for Portable Tanks	
IMDG EMS	F-E, S-D
Stowage and Handling	Category B
Segregation	
Marine Pollutant	Not classified as a Marine Pollutant.
ICAO/IATA	
IATA Proper Shipping Name	POLYESTER RESIN KIT
Excepted Quantities	E0
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y370
Passenger and Cargo Aircraft Limited Quantities Max net Qty	1Kg
Passenger and Cargo Aircraft Packing Instructions	370
Passenger and Cargo Aircraft Max net Qty	5Kg
Cargo Aircraft Packing Instructions	370
Cargo Aircraft Max net Qty	5Kg
Special Provisions	A66, A163
Emergency Response Guidebook (ERG) Code	3L
Labels	
Labels	3

14.4 Packing group

Packing group	II

14.5 Environmental hazards

Environmental hazards	Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user	Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 80-62-6, 121-69-7, 1314-13-2
National emission standards for hazardous air pollutants (40 CFR 61.01)	Listed : 1314-13-2

CB200 Adhesive

SARA Title III Section 313	Listed : 80-62-6, 121-69-7, 1314-13-2
TSCA (Toxic Substance Control Act)	Listed : 80-62-6, 79-41-4, 121-69-7, 1314-13-2, 868-77-9, 38668-48-3
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations

State Right to Know Lists	
Proposition 65 (California)	Not listed
Massachusetts	Listed : 80-62-6, 79-41-4, 121-69-7, 1314-13-2
Minnesota	Listed : 80-62-6, 79-41-4, 121-69-7, 1314-13-2
New Jersey	Listed : 80-62-6, 79-41-4, 121-69-7, 1314-13-2
Pennsylvania	Listed : 80-62-6, 79-41-4, 121-69-7, 1314-13-2
Rhode Island	Listed : 80-62-6, 79-41-4, 121-69-7, 1314-13-2

15.3 Other

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Not listed
IARC (International Agency for Research on Cancer)	Listed : 80-62-6, 121-69-7

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3, 8, 11, 15, 16

LEGEND

Hazard Pictogram(s)


GHS02


GHS05


GHS08


GHS07

GHS06: GHS: Skull and crossbones

Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 4 : Flammable liquid, Category 4
Acute Tox. 2 : Acute toxicity, Category 2
Acute Tox. 3 : Acute toxicity, Category 3
Acute Tox. 4 : Acute toxicity, Category 4
Skin Corr. 1A : Skin corrosion/irritation, Category 1A
Skin Irrit. 2 : Skin corrosion/irritation, Category 2
Skin Sens. 1 : Skin sensitization, Category 1
Eye Dam. 1 : Serious eye damage/irritation, Category 1
Eye Irrit. 2A : Serious eye damage/irritation, Category 2A
Eye Irrit. 2B : Serious eye damage/irritation, Category 2B

CB200 Adhesive

STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

Carc. 2 : Carcinogenicity, Category 2

Hazard Statement(s)

H225: Highly flammable liquid and vapor.
H227: Combustible liquid
H300: Fatal if swallowed.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H320: Causes eye irritation.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P260: Do not breathe vapor.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing must not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of water.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor.
P312: Call a POISON CENTER/doctor if you feel unwell.
P321: Specific treatment (see Medical Advice on this label).
P330: Rinse mouth.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use water spray, foam, dry powder or CO_2 to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations

Key literature references and sources for data used to compile the SDS

US CFR 1910.1200

CB200 Adhesive

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.
Click Bond, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law.
Click Bond, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

CB200 Accelerator

ACCORDING TO US CFR 1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	CB200 Accelerator

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

Identified Use(s)	Two component acrylic adhesive.
Uses Advised Against	Not known.

1.3 Details of the supplier of the safety data sheet

Company Identification	Click Bond, Inc. 2151 Lockheed Way Carson City, NV 89706231 USA
Telephone	+1 (775) 885 8000
E-mail	Glenn.Hutt@clickbond.com

1.4 Emergency telephone number

VelocityEHS	1+ (813) 248-0573

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

US CFR 1910.1200	Org. Perox. E :Heating may cause a fire. Skin Irrit. 2 :Causes skin irritation. Skin Sens. 1 :May cause an allergic skin reaction. Eye Irrit. 2A :Causes serious eye irritation.

2.2 Label elements

According to US CFR 1910.1200

Product Name	CB200 Accelerator
Hazard Pictogram(s)	 GHS02  GHS07
Signal Word(s)	Warning
Hazard Statement(s)	H242: Heating may cause a fire. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.
Precautionary Statement(s)	P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P261: Avoid breathing vapors. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P370+P378: In case of fire: Use water spray, foam, dry powder or CO_2 to extinguish.

2.3 Other hazards

Contains epoxy constituents. May produce an allergic reaction.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
bis-4-(2,3-epoxipropoxi)phenylpropane	1675-54-3	40 - 45	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2A H319	GHS07
Benzoic acid, C9-11, C10-rich, branched alkyl esters	131298-44-7	20 - 25	Not classified.	None
Dibenzoyl peroxide	94-36-0	20 - 25	Org. Perox. B H241 Skin Sens. 1 H317 Eye Irrit. 2A H319	GHS07
Alcohols, C12-15, ethoxylated propoxylated	68551-13-3	<1	Eye Dam. 1 H318	GHS05

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Wash out mouth with water. If symptoms develop, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic contact eczema. Already sensitized persons to epoxy may react on very small doses.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media: In case of fire: Use water spray, foam, dry powder or CO_2 to extinguish.

Unsuitable extinguishing media: Water jet spray.

5.2 Special hazards arising from the substance or mixture

Heating may cause a fire. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Water spray should be used to cool containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Eliminate sources of ignition. Use only non-sparking tools. Avoid breathing vapors. Avoid contact with skin and eyes. Wear protective gloves/ protective clothing/eye protection/face protection.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Collect spillage. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/Store away from clothing/combustible materials. Avoid breathing vapors. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container. Keep cool. Protect from sunlight. Store away from other materials.

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	Amines, Acids, Water, hydroxyl, active hydrogen compounds.

7.3 Specific end use(s)

Two component acrylic adhesive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Benzoyl peroxide (Dibenzoyl peroxide)	94-36-0		5			ACGIH TLV, A4
Benzoyl peroxide ; Dibenzoyl peroxide	94-36-0		5			OSHA PEL
Benzoyl peroxide (Dibenzoyl peroxide)	94-36-0		5			NIOSH REL Z-1
Benzoyl peroxide (Dibenzoyl peroxide)	94-36-0		5			OSHA PEL Z-1

CLICK BOND

CB200 Accelerator

Remark	Notes
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2022
A4	Not Classifiable as a Human Carcinogen
OSHA PEL	Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2022
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022

8.2 Exposure controls

8.2.1. Appropriate engineering controls: Provide adequate ventilation. Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment

Eye Protection: Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection: Where hand contact with the product may occur, the use of gloves made from the following materials may provide suitable chemical protection: Nitrile rubber. For short-term/splash protection we recommend nitrile disposable gloves in the 0,20 – 0,35 mm thickness range with a minimum of >30min break-through times. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for >480 minutes, such as 2,7mm thickness North Silver Shield.
Lower breakthrough time may be acceptable if appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers.
Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Respiratory protection: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
Wear: A respirator fitted with the following cartridge: Organic vapor filter; Gas filtering respirator.

Thermal hazards: Not applicable.

8.2.3. Environmental Exposure Controls: Avoid release to the environment.

CB200 Accelerator

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Paste. Color : White.
Odor	Odorless.
Odor threshold	Not determined.
pH	Not applicable.
Melting point/freezing point	Not determined.
Initial boiling point and boiling range	212 ° F (100 ° C)
Flash Point	≥ 201 ° F (93 ° C) [Closed cup]
Evaporation rate	Not determined.
Flammability (solid, gas)	Non-flammable. Heating may cause a fire.
Upper/lower flammability or explosive limits	Not determined.
Vapor pressure	Not determined.
Vapor density	heavier than air.
Density (g/ml)	1.2 g/cm³ (10.00 lbs/gal)
Relative density	Not determined.
Solubility(ies)	Solubility (Water) : Insoluble. Solubility (Other) : Not available.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature (° C)	Not determined.
Viscosity	≥45,833 mm²/s @ 77 ° F (25 ° C)
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information

Percent Volatile by weight (%)	4.68%
Percent Volatile by volume (%)	5.77%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Keep away from heat and direct sunlight.

10.5 Incompatible materials

Amines, Acids, Water, hydroxyl, active hydrogen compounds.

10.6 Hazardous decomposition products

Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

CB200 Accelerator

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Not classified. bis-4-(2,3-epoxipropoxi)phenylpropane: LD50 (rat) >15000 mg/kg
Acute toxicity - Skin Contact	Calculation method : Not classified. bis-4-(2,3-epoxipropoxi)phenylpropane: LD50 (rabbit) >23000 mg/kg
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Causes skin irritation. No data.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation. No data.
Skin sensitization data	Calculation method : May cause an allergic skin reaction. No data.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

None anticipated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	No data.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

No information on this formulation.

12.3 Bioaccumulative potential

No information on this formulation.

12.4 Mobility in soil

Insoluble in water. The product is predicted to have low mobility in soil.

12.5 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not allow to enter drains, sewers or watercourses. Dispose of this material and its container as hazardous waste.

Low hazard once fully cured. Dispose of contents/container to: Suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

CB200 Accelerator

SECTION 14: TRANSPORT INFORMATION

The Accelerator itself is assigned with UN 3108. This product is supplied or shipped as part of two component acrylic adhesive kits under UN 3269 POLYESTER RESIN KIT

14.1 UN number

UN No.	3269

14.2 UN proper shipping name

UN proper shipping name	POLYESTER RESIN KIT

14.3 Transport hazard class(es)

ADR/RID	
ADR/RID Class	3
ADR Classification Code	F3
Special Provisions	236 340
Limited Quantities	5 L
Excepted Quantities	See SP 340
Emergency Action Code	•2YE
Mixed Packing Instructions for Packages	P302 R001
Special Packing Provisions for Packages	
Mixed Packing Instructions for Packages	
Instructions for Portable Tanks	
Special Provisions for Portable Tanks	
Tank Code for Tanks	
Special Provisions for Tanks	
Vehicle for Tank Carriage	
ADR Transport Category	2
Tunnel Restriction Code	E
Special Provisions for Carriage - Packages	
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2 S20
ADR HIN	
IMDG	
IMDG Class	3
Special Provisions	236 340
Limited Quantities	5 L
Excepted Quantities	See SP 340
Mixed Packing Instructions for Packages	P302 R001
Special Packing Provisions for Packages	
Instructions for Portable Tanks	

CLICK BOND

CB200 Accelerator

Special Provisions for Portable Tanks	
IMDG EMS	F-E, S-D
Stowage and Handling	Category B
Segregation	
Marine Pollutant	Classified as a Marine Pollutant.
ICAO/IATA	
IATA Proper Shipping Name	POLYESTER RESIN KIT
Excepted Quantities	E0
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y370
Passenger and Cargo Aircraft Limited Quantities Max net Qty	1Kg
Passenger and Cargo Aircraft Packing Instructions	370
Passenger and Cargo Aircraft Max net Qty	5Kg
Cargo Aircraft Packing Instructions	370
Cargo Aircraft Max net Qty	5Kg
Special Provisions	A66, A163
Emergency Response Guidebook (ERG) Code	3L
Labels	
Labels	3

14.4 Packing group

Packing group	II

14.5 Environmental hazards

Environmental hazards	Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user	Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 94-36-0
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Listed : 94-36-0
TSCA (Toxic Substance Control Act)	Listed : 1675-54-3, 131298-44-7, 94-36-0, 68551-13-3
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations

State Right to Know Lists

Proposition 65 (California)	Not listed
Massachusetts	Listed : 94-36-0
Minnesota	Listed : 94-36-0
New Jersey	Listed : 94-36-0
Pennsylvania	Listed : 94-36-0
Rhode Island	Listed : 94-36-0

15.3 Other

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Listed : 94-36-0
NTP (National Toxicology Program)	Not listed
IARC (International Agency for Research on Cancer)	Listed : 1675-54-3, 94-36-0

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3, 8, 16

LEGEND

Hazard Pictogram(s)

GHS02

GHS07

GHS08: GHS: Health hazard

Hazard classification

Org. Perox. B : Organic peroxide, CategoryB
Org. Perox. E : Organic peroxide, CategoryE
Skin Irrit. 2 : Skin corrosion/irritation, Category 2
Skin Sens. 1 : Skin sensitization, Category 1
Eye Dam. 1 : Serious eye damage/irritation, Category 1
Eye Irrit. 2A : Serious eye damage/irritation, Category 2A

Hazard Statement(s)

H241: Heating may cause a fire or explosion.
H242: Heating may cause a fire.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.

Precautionary Statement(s)

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P220: Keep/Store away from clothing/combustible materials.
P234: Keep only in original container.
P261: Avoid breathing vapors.

CB200 Accelerator

P264: Wash hands and exposed skin thoroughly after handling.
P272: Contaminated work clothing must not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see Medical Advice on this label).
P332+P313: If skin irritation occurs: Get medical advice/attention.
P333+P313: If skin irritation or rash 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.
P363: Wash contaminated clothing before reuse.
P410: Protect from sunlight.
P420: Store away from other materials.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations

Key literature references and sources for data used to compile the SDS

US CFR 1910.1200

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