



CB200 Adhesive





SAFETY DATA SHEET

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.
CAS No. Mixture.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified use(s) Two component epoxy adhesive.
Uses advised against None known.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Click Bond, Inc.
2151 Lockheed Way
Carson City, NV 89706
USA
Telephone +1 (775) 885 8000
E-Mail (competent person) Glenn.Hutt@clickbond.com
- 1.4 Emergency telephone number**
ChemTel 1+ (813) 248-0573

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
US CFR 1910.1200
Acute Tox. 4; Harmful in contact with skin.
Acute Tox. 4; Harmful if swallowed.
Acute Tox. 4; Harmful if inhaled.
Carc. 2; Suspected of causing cancer.
Eye Dam. 1; Causes serious eye damage.
Flam. Liq. 2; Highly flammable liquid and vapour.
Repr. 2; Suspected of damaging fertility or the unborn child.
Resp. Sens. 1; May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Corr. 1A; Causes severe skin burns and eye damage.
Skin Sens. 1; May cause an allergic skin reaction.
STOT SE 1; Causes damage to organs: Blood circulatory system, Nervous system, Hematopoietic system.
STOT SE 3; May cause respiratory irritation.
STOT RE 1; Causes damage to organs through prolonged or repeated exposure: Liver, Spleen, Adrenal gland, Kidneys, Central nervous system, Respiratory system
- 2.2 Label elements**
Product name CB200 Adhesive.
Contains Methyl methacrylate, Methacrylic acid, N,N-dimethylaniline.
Hazard pictogram(s)

Signal word(s) Danger.



CB200 Adhesive

Hazard statement(s)

H225: Highly flammable liquid and vapor.
H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.
H370: Causes damage to organs: Blood circulatory system, Nervous system, Hematopoietic system.
H372: Causes damage to organs through prolonged or repeated exposure: Liver, Spleen, Adrenal gland, Kidneys, Central nervous system, Respiratory system.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe vapor.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
None.

Precautionary statement(s)

2.3 Other hazards

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)	%W/W	CAS No.	Hazard pictogram(s) and Hazard statement(s)
Methyl methacrylate	50-55	80-62-6	GHS02, Flam. Liq. 2; H225, GHS07, Skin Irrit. 2; H315, Skin Sens. 1; H317, STOT SE 3; H335
Methacrylic acid	5-10	79-41-4	GHS05, Skin Corr. 1A; H314, Eye Dam. 1; H318, GHS06, Acute Tox. 3; H311, GHS07, Acute Tox. 4; H302, H332, STOT SE 3; H335
Methacrylate phosphate ester	1-5	Proprietary	None
N,N-dimethylaniline	1-5	121-69-7	GHS06, Acute Tox. 3; H301, H311, H331, GHS08, Carc. 2; H351
Amine curative	1-5	Proprietary	None
Calcium molybdate	0.1-0.9	7789-82-4	Not classified
Methacrylate monomer	0.1-0.9	Proprietary	None

Any "Proprietary" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.



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3.3 Additional Information

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

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Skin Contact

Take off immediately all contaminated clothing. 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. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

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

Use carbon dioxide, dry chemical, foam and water fog to extinguish.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. 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. Wear appropriate personal protective equipment, avoid direct contact. Take action to prevent static discharges. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

See Also Section: 8, 13



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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, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Do not breathe vapor. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/ protective clothing/eye protection/face protection. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature
Storage life
Incompatible materials

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

Ambient.

Stable under normal conditions.

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

7.3 Specific end use(s)

Two component epoxy adhesive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Methyl methacrylate	80-62-6	100	410			OSHA PEL Z-1
Methyl methacrylate	80-62-6	50	205	100	410	OSHA PEL, ACGIH TLV, DSEN
Methyl methacrylate	80-62-6	100				NIOSH REL Z-1
Methacrylic acid	79-41-4	20	70			OSHA PEL, S, ACGIH TLV
N,N-dimethylaniline (Aniline and homologs)	121-69-7	5	19			OSHA PEL Z-1
N,N-dimethylaniline (Aniline and homologs)	121-69-7					NIOSH REL Z-1, Ca
N,N-dimethylaniline	121-69-7	5	25			OSHA PEL Z-1
N,N-dimethylaniline	121-69-7	5	25	10	50	OSHA PEL, S, ACGIH TLV, Skin
N,N-dimethylaniline	121-69-7	5		10		NIOSH REL Z-1
Calcium molybdate (Total Dust)	7789-82-4		15			OSHA PEL Z-1
Calcium molybdate (Respirable fraction)	7789-82-4		3			OSHA PEL, (n)
Calcium molybdate (Total Dust)	7789-82-4		10			OSHA PEL
Calcium molybdate	7789-82-4		10			ACGIH TLV, I
Calcium molybdate	7789-82-4		3			ACGIH TLV, R



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Remarks	Notes
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table
OSHA PEL	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).
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
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2018
DSEN	May cause dermal sensitization
S	Skin Sensitization
Ca	Potential occupational carcinogens. See NIOSH Appendix A http://www.cdc.gov/niosh/npg/nengapdx.html
Skin	Danger of cutaneous absorption
(n)	The concentration and percentage of the particulate used for this limit are determined from the fraction passing a size selector with the following characteristics: (aerodynamic Diameter (µm)/% Passing Selector): 0/100; 1/97; 2/91; 3/74; 4/50; 5/30; 6/17; 7/9; 8/5; 10/1.
I	Measured as Inhalable fraction of the aerosol
R	Measured as respirable fraction of the aerosol

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation. Local exhaust recommended.

8.2.2 Personal protection equipment

Eye/face protection



Wear protective eye glasses for protection against liquid splashes.

Skin protection (Hand protection/ Other)



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.



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Respiratory protection



Thermal hazards

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 vapour filter; Gas filtering respirator.

Not applicable.

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	18°C (65°F) [Closed cup].
Evaporation rate	Faster than n-butyl acetate.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	1-8.8 Vol-%
Vapor pressure	<110 kpa @ 50°C (122°F)
Vapor density	Heavier than air.
Density	1.04 g/cm ³ (8.64 lb/gal)
Solubility (Water)	Insoluble.
Solubility (Other)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidising.

9.2 Other information

Percent Volatile by weight (%)	0.02
Percent Volatile by volume (%)	0.02

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution: >100°F - <32°F.
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, sources of ignition and direct sunlight.
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.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Oral

Harmful if swallowed. No data.

Dermal

Harmful in contact with skin. No data.

Inhalation

Harmful if inhaled. No data.

Skin corrosion/irritation

Causes severe skin burns. No data.

Serious eye damage/irritation

Causes serious eye damage. No data.

Respiratory or skin sensitization

May cause an allergic skin reaction. No data.

May cause allergy or asthma symptoms or breathing difficulties if inhaled. No data.

Germ cell mutagenicity

There is no evidence of mutagenic potential.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

STOT - single exposure

Causes damage to organs: Blood circulatory system, Nervous system, Hematopoietic system. No data.

May cause respiratory irritation. No data.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure: Liver, Spleen, Adrenal gland, Kidneys, Central nervous system, Respiratory system. No data.

Aspiration hazard

Not classified.

11.2 Other information

None.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Harmful to aquatic life with long lasting effects. No data.

12.2 Persistence and degradability

Part of the components are biodegradable.

12.3 Bioaccumulative potential

The product 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. Dispose of contents/container to: Suitable refuse site.

13.2 Additional Information

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

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No.

1133

14.2 UN Proper Shipping Name

UN proper shipping name

ADHESIVES

(Containing flammable liquid (vapor pressure at 50°C not more than 110 kPa))

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class

3

ADR Classification Code

F1

Special Provisions


640D

Limited Quantities

5 L



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Excepted Quantities	E2
Emergency Action Code	•3YE
Packing Instructions for Packages	P001 IBC02 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP8
Tank Code for Tanks	LGBF
Vehicle for Tank Carriage	FL
ADR Transport Category	2
Tunnel Restriction Code	D/E
Special Provisions for Carriage - Operation	S2 S20
ADR HIN	33
IMDG	
IMDG Class	3
Special Provisions	640D
Limited Quantities	5 L
Excepted Quantities	E2
Packing Instructions for Packages	P001 IBC02 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T4
Special Provisions for Portable Tanks	TP1 TP8
IMDG EMS	F-E, S-D
Stowage and Handling	Category B
ICAO/IATA	
IATA Proper Shipping Name	ADHESIVES (Containing flammable liquid (vapor pressure at 50°C not more than 110 kPa))
Excepted Quantities	E2
Passenger and Cargo Aircraft Limited Quantities	Y341
Packing Instructions	
Passenger and Cargo Aircraft Limited Quantities	1L
Max net Qty	
Passenger and Cargo Aircraft Packing Instructions	353
Passenger and Cargo Aircraft Max net Qty	5L
Cargo Aircraft Packing Instructions	364
Cargo Aircraft Max net Qty	60L
Special Provisions	A3
Emergency Response Guidebook (ERG) Code	3L
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	
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.



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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, 7789-82-4
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Not listed
TSCA (Toxic Substance Control Act)	Listed: 80-62-6, 79-41-4, 121-69-7, 7789-82-4
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations - State Right to Know Lists

Proposition 65 (California)	Not listed
Minnesota	Listed : 80-62-6, 79-41-4, 121-69-7, 7789-82-4
New Jersey	Listed : 80-62-6, 79-41-4, 121-69-7
Pennsylvania	Listed : 80-62-6, 79-41-4, 121-69-7
Rhode Island	Listed : 80-62-6, 79-41-4, 121-69-7, 7789-82-4

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: 1-16.

LEGEND

Hazard Pictogram(s)



GHS02



GHS05



GHS08



GHS07

GHS06: GHS: skull and crossbones

Hazard classification

Flam. Liq. 2: Flammable liquid, 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
Eye Dam. 1: Serious eye damage/irritation, Category 1
Resp. Sens. 1: Respiratory/skin sensitization, Category 1
Skin Sens. 1: Respiratory/skin sensitization, Category 1
Carc. 2: Carcinogenicity, Category 2
Repr. 2: Reproductive toxicity, Category 2
STOT SE 3: Specific target organ toxicity — single exposure, Category 3
STOT RE 1: Specific target organ toxicity — repeated exposure, Category 1



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Hazard Statement(s)

H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H312: Harmful 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.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.
H370: Causes damage to organs.
H372: Causes damage to organs through prolonged or repeated exposure.

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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
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 should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: [In case of inadequate ventilation] wear respiratory 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 or shower.
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.
P314: Get medical advice/attention if you feel unwell.
P321: Specific treatment (see on this label).
P330: Rinse mouth.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362+P364: Take off contaminated clothing and wash it before reuse.
P363: Wash contaminated clothing before reuse.



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P370+P378: In case of fire: Use carbon dioxide, dry chemical, foam and water fog to extinguish.

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

CAS : Chemical Abstracts Service

IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTTEL : 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

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



SAFETY DATA SHEET

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.
CAS No.	Mixture.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Two component epoxy adhesive.
Uses advised against	None known.
1.3 Details of the supplier of the safety data sheet	
Company Identification	Click Bond, Inc. 2151 Lockheed Way Carson City, NV 89706 USA
Telephone	+1 (775) 885 8000
E-Mail (competent person)	Glenn.Hutt@clickbond.com
1.4 Emergency telephone number	
ChemTel	1+ (813) 248-0573

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
US CFR 1910.1200	Acute Tox. 4; Harmful if inhaled. Eye Irrit. 2A; Causes serious eye irritation. Org. Perox. E; Heating may cause a fire. Skin Irrit. 2; Causes skin irritation. Skin Sens. 1; May cause an allergic skin reaction. STOT SE 3; May cause respiratory irritation.
2.2 Label elements	
Product name	CB200 Accelerator.
Contains	Benzoic acid, C9-11-branched alkyl esters, Dibenzoyl peroxide.
Hazard pictogram(s)	 
Signal word(s)	GHS02 GHS07 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. H332: Harmful if inhaled. H335: May cause respiratory irritation.



CB200 Accelerator

Precautionary statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing vapours.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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.
None.

2.3 Other hazards

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)	%W/W	CAS No.	Hazard pictogram(s) and Hazard statement(s)
Epoxy resin	40-45	Proprietary	None
Benzoic acid, C9-11-branched alkyl esters	20-25	131298-44-7	GHS07, Acute Tox. 4; H332
Dibenzoyl peroxide	20-25	94-36-0	GHS01, Org. Perox. B; H241, GHS07, Skin Sens. 1; H317, Eye Irrit. 2A; H319
Titanium dioxide	1-5	13463-67-7	Not classified

Any "Proprietary" component(s) in the above table is considered trade secret, thus the specific chemical and its exact concentration is being withheld.

3.3 Additional Information

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

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

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.



CB200 Accelerator

- | | | |
|------------|---|---|
| 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

Unsuitable extinguishing media | Use carbon dioxide, dry chemical, foam and water fog to extinguish.
None known. |
| 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, Aldehydes, Metal oxides. |
| 5.3 | Advice for firefighters | Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. 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. Avoid breathing vapors. Wear appropriate personal protective equipment, avoid direct contact. Do not eat, drink or smoke at the work place. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling. |
| 6.2 | Environmental precautions | Do not release large quantities into the surface water or into drains. |
| 6.3 | Methods and material for containment and cleaning up | Cover spills with inert absorbent material. 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep/Store away from clothing/combustible materials. Keep only in original packaging. Use only outdoors or in a well-ventilated area. Avoid breathing vapors. Wear protective gloves/ protective clothing/eye protection/face protection. Avoid contact with skin and eyes. Take off contaminated clothing and wash it before reuse. |
| 7.2 | Conditions for safe storage, including any incompatibilities

Storage temperature
Storage life
Incompatible materials | Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store separately. Store locked up.
Ambient.
Stable under normal conditions.
Acids, amines, water, hydroxyl, or active hydrogen compounds. |
| 7.3 | Specific end use(s) | Two component epoxy adhesive. |



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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/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Dibenzoyl peroxide	94-36-0		5			OSHA PEL Z-1, OSHA PEL, NIOSH REL Z-1, ACGIH TLV
Titanium dioxide (Total Dust)	13463-67-7		15			OSHA PEL Z-1
Titanium dioxide (Total Dust)	13463-67-7		2.4			Fine particles
Titanium dioxide (Total Dust)	13463-67-7		0.3			NIOSH REL Z-1, Ca, ultrafine particles
Titanium dioxide	13463-67-7		10			ACGIH TLV

Remarks Notes

OSHA PEL Z-1 Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table

OSHA PEL Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).

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

ACGIH TLV The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2018

Fine particles In fine particles form

Ca Potential occupational carcinogens. See NIOSH Appendix A
<http://www.cdc.gov/niosh/npg/nengapdx.html>

ultrafine particles In ultrafine particles form

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation. Local exhaust recommended.

8.2.2 Personal protection equipment

Eye/face protection



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

Skin protection (Hand protection/ Other)



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.

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Respiratory protection



Thermal hazards

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.

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 vapour filter; Gas filtering respirator.

Not applicable.

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	100°C (212°F)
Flash point	93°C (≥201°F) [Closed cup].
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapor pressure	Not determined.
Vapor density	Heavier than air.
Density	1.2 g/cm ³ (10 lb/gal)
Solubility (Water)	Insoluble.
Solubility (Other)	Not available.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidising.

9.2 Other information

Percent Volatile by weight (%)	5.98
Percent Volatile by volume (%)	7.45



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SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
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, sources of ignition and direct sunlight.
10.5	Incompatible materials	Acids, amines, water, hydroxyl, or active hydrogen compounds.
10.6	Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Acute toxicity	
	Oral	Low oral toxicity.
	Dermal	Low acute toxicity.
	Inhalation	Harmful if inhaled. No data.
	Skin corrosion/irritation	Causes skin irritation. No data.
	Serious eye damage/irritation	Causes serious eye irritation. No data.
	Respiratory or skin sensitization	May cause an allergic skin reaction. No data.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	No evidence of carcinogenicity.
	Reproductive toxicity	No evidence of reproductive effects.
	STOT - single exposure	May cause respiratory irritation. No data.
	STOT - repeated exposure	None anticipated.
	Aspiration hazard	Not classified.
11.2	Other information	None.

SECTION 12: ECOLOGICAL INFORMATION



12.1	Toxicity	Very toxic to aquatic life with long lasting effects. No data.
12.2	Persistence and degradability	Part of the components are biodegradable.
12.3	Bioaccumulative potential	No information available.
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. Dispose of contents/container to: Suitable refuse site.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

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SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
UN No.	3108
14.2 UN Proper Shipping Name	
UN proper shipping name	ORGANIC PEROXIDE TYPE E, SOLID
14.3 Transport hazard class(es)	
ADR/RID	
ADR/RID Class	5.2
ADR Classification Code	P1
Special Provisions	122 274
Limited Quantities	500 g
Excepted Quantities	E0
Emergency Action Code	1W
Packing Instructions for Packages	P520
Mixed Packing Instructions for Packages	MP4
ADR Transport Category	2
Tunnel Restriction Code	D
Special Provisions for Carriage - Packages	V1
Special Provisions for Carriage - Loading, Unloading and Handling	CV15 CV22 CV24
IMDG	
IMDG Class	5.2
Special Provisions	122 274
Limited Quantities	500 g
Excepted Quantities	E0
Packing Instructions for Packages	P520
IMDG EMS	F-J, S-R
Stowage and Handling	Category D SW1
Segregation	SG35 SG36
ICAO/IATA	
IATA Proper Shipping Name	ORGANIC PEROXIDE TYPE E, SOLID
Excepted Quantities	E0
Passenger and Cargo Aircraft Limited Quantities	Forbidden for transport by air.
Packing Instructions	
Passenger and Cargo Aircraft Limited Quantities	Forbidden for transport by air.
Max net Qty	
Passenger and Cargo Aircraft Packing Instructions	570
Passenger and Cargo Aircraft Max net Qty	10Kg
Cargo Aircraft Packing Instructions	570
Cargo Aircraft Max net Qty	25Kg
Special Provisions	A20, A802
Emergency Response Guidebook (ERG) Code	5L
Labels	5.2
	 
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.



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

Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed: 94-36-0, 13463-67-7
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Not listed
TSCA (Toxic Substance Control Act)	Listed: 131298-44-7, 94-36-0, 13463-67-7
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations - State Right to Know Lists

Proposition 65 (California)	Listed: 13463-67-7
Minnesota	Listed: 94-36-0, 13463-67-7
New Jersey	Listed: 94-36-0, 13463-67-7
Pennsylvania	Listed: 94-36-0, 13463-67-7
Rhode Island	Listed: 94-36-0, 13463-67-7

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 : 94-36-0, 13463-67-7

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

Hazard Pictogram(s)



GHS02



GHS07

GHS01: GHS: exploding bomb

Hazard classification

Org. Perox. B: Organic peroxide, Category B
Org. Perox. E: Organic peroxide, Category E
Acute Tox. 4: Acute toxicity, Category 4
Skin Irrit. 2: Skin corrosion/irritation, Category 2
Eye Irrit. 2A: Serious eye damage/irritation, Category 2A
Skin Sens. 1: Respiratory/skin sensitization, Category 1
STOT SE 3: Specific target organ toxicity — single exposure, Category 3



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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.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220: Keep/Store away from clothing/combustible materials.
P234: Keep only in original packaging.
P261: Avoid breathing vapors.
P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should 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.
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/doctor if you feel unwell.
P321: Specific treatment (see on this label).
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.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P410: Protect from sunlight.
P411+P235: Store at temperatures not exceeding 100°F. Keep cool.
P420: Store separately.
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
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



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