



Starbond Instant Set Accelerator (Activator) for CA Super Glue, 6 oz. Aerosol

Safety Data Sheet

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Section 1: Identification

Product Identifier

Product Form: Mixture

Product Name: Starbond Instant Set Accelerator (Activator) for CA Super Glue, 6 oz. Aerosol

Intended Use of the Product

Use of the Substance/Mixture: For industrial or professional use only

Name, Address, and Telephone of the Responsible Party

Company

CPH International
1450 W. 228th St. Suite #11,
Torrance, CA 90501
T: 213-382-7788
www.starbond.com

Manufacturer

Starbond
1450 W. 228th St. Suite #11,
Torrance, CA 90501
T: 213-382-7788

Emergency Telephone Number : :

(800) 424-9300 (Chemtrec- US)
(703) 527-3887 (International - Call Collect)

Section 2: Hazard(s) Identification

Classification of the Substance or Mixture

GHS Hazards Category

Flammable liquid	- Category 2
Eye Irritation	- Category 2A
Skin Irritation	- Category 2
Respiratory Irritation	- Category 3
Specific Target Organ Toxicity	- Category 2

Label Elements

GHS-US Labeling Hazard Pictograms (GHS-US) :



Section 2: Hazard(s) Identification

Signal Word : DANGER

Hazard Statements

⚠ WARNING:

Highly Flammable, Irritating to eye and skin
Harmful, Danger of serious damage to health by prolonged exposure through inhalation
Possible risk of harm to unborn child
Harmful: may cause lung damage if swallowed

Precautionary Statements :

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep container tightly closed.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray.
Use only outdoors or in a well-ventilated area. Vapor may cause drowsiness and dizziness.

Response

Inhalation

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

Ingestion

Rinse mouth with clean water immediately.
DO NOT induce vomiting.
Get medical attention immediately.
If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

Skin Contact

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

Eye Contact

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Section 2: Hazard(s) Identification

Storage

Store in a well-ventilated Place. Keep container tightly closed. Keep cool. Store in a locked cabinet, cage or room.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

CLASSIFICATION (1999/45)XI, F, R11, R36, R66, R67

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Highly flammable. Irritating to eyes and skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Vapors may cause drowsiness and dizziness.

Section 3: Composition / Information on Ingredients

Name	EC No.	Cas No.	Content %	GHS Classification
Organic Activator	Trade Secret (*)	Trade Secret (*)	0-5%	T, R23/24/25, R33, R52/53, S28A, S36/37, S45, S61
Petroleum Gas, Liquefied, Sweetened	270-705-8	Trade Secret (*)	0-50%	F+, T, R12, R45, S45, S53
Organic Solvent	Trade Secret (*)	Trade Secret (*)	50-100%	XI, F, R11, R36, R66, R67, S16, S26, S9

The Full Text for all R-Phrases and S-Phrases is displayed in Section 15

COMPOSITION COMMENTS

The data shown are in accordance with the latest EC Directives

Section 4: First-Aid Measures

Emergency and First Aid Procedures

Eyes: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (i.e., asthma-like conditions), bloodforming system.

Section 5: Fire-Fighting Measures

Extinguishing Media

Alcohol foam, carbon dioxide, dry chemical.

Special Firefighting procedures

Water may be ineffective. Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full coverage face piece operated in the positive-pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.

Unusual fire and explosion hazards

Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Flammable material

Section 6: Accidental Release Measures

Personal Precautions

Wear protective clothing as described in Section 8.

Environmental Precautions

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority

Spill clean up methods

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

Section 7: Handling and Storage

Usage Precautions:

Keep away from heat, sparks and open flames. Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to solvent vapors. Use approved respirator if air contamination exceeds the accepted level

Storage Precautions:

FLAMMABLE/Combustible. Keep away from oxidizers, open flames and other ignition sources. Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120o F

Storage Class:

FLAMMABLE liquid storage

Section 8 : Exposure controls / Personal Protection

Notice :

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Inhalation health risk and symptoms of exposure:

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, high blood sugar, coma.

Section 8 : Exposure controls / Personal Protection

Skin and eye contact health risks and symptoms of exposure:

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion health risks and symptoms of exposure:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Health hazards (acute and chronic):

This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, blood abnormalities. This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain. Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Carcinogenicity:

NTP Carcinogen: N/A

IARCH monographs: N/A

OSHA regulated: N/A

Medical conditions generally aggravated by exposure to this product:

Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

Emergency and First Aid Procedures

Eyes: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Section 8 : Exposure controls / Personal Protection

Swallowing: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention

Note to Physicians: This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (i.e., asthma-like conditions), bloodforming system.

Name	Work Exposure Limits	Remarks
Organic activator	ACGIH: Not Listed NIOSH: Not Listed OSHA-Final PELs: Not Listed	Consult local authorities for acceptable exposure limits
Organic solvent	NIOSH: 250 ppm TWA; 590 mg/m ³ TWA 2500 ppm IDLH (10% LEL) ACGIH: 500 ppm TWA; 750 ppm STEL OSHA-Final PELs: 1000 ppm TWA; 2400 mg/m ³ TWA	Same as above
Petroleum Gas, Liquefied, Sweetened	ACGIH: Not Listed NIOSH: Not Listed OSHA-Final PELs: Not Listed	Same as above



Section 8 : Exposure controls / Personal Protection

Protective Equipment:

Process conditions: Provide eyewash station.

Engineering Measures: Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.

Respiratory equipment: Wear respirator with appropriate cartridge for organic solvents and chemicals.

Hand protection: Wear approved gloves such as Neoprene, Nitrile or Rubber types

Eye protection: Wear splash-proof goggles

Other protection: Wear appropriate clothing to prevent any possible skin contact

Hygiene measures: DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

Section 9 : Physical and Chemical Properties

Appearance	: Liquid
Color	: Colorless
Odor	: Mild/Sweet Characteristics
Boiling Point	: 208 °F
Relative Density	: 0.735 g/mL
Vapor Density	: 3.1 (Air = 1)
Flash Point	: 25 °F [Test Method: Closed Cup]
Flammable Limit	: NA (Lower %) NA (Upper %)
Solubility Value	: (g/100g H ₂ O @ 20oC)
Volatile Organic Compound	: 20% from Aerosol Propellant

Section 10 : Stability and Reactivity

Stability	: Stable
Conditions to avoid	: Heat fires and Ignition sources
Incompatibility (Materials to avoid)	: Avoid contact with acids, strong oxidizing agents
Hazardous composition or byproducts	: May form carbon dioxide and carbon monoxide
Hazardous polymerization	: Will not undergo hazardous polymerization

Section 11 : Toxicological Information

Organic activator:

Carcinogenicity: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact.

Toxicity to Animals: WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute toxicity of the vapor (LC50): 1400 mg/m 4 hours [Rat]. 3

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. May be harmful if absorbed through skin. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation. May affect respiration (dyspnea, respiratory stimulation). Harmful if inhaled.

Ingestion: May cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea.

Harmful if swallowed. The toxicological properties of this substance have not been fully investigated. Chronic Potential Health Effects: There is a danger of cumulative effects

Organic solvent :

LD50/LC50: Dermal, guinea pig: LD50 = >9402 uL/kg; Draize test, rabbit, eye: 20 mg Severe; Draize test, rabbit, eye: 20 mg/24H Moderate; Draize test, rabbit, eye: 10 uL Mild; Draize test, rabbit, skin: 503 mg/24H Mild; inhalation, mouse: LC50 = 44 gm/m³/4H; Inhalation, rat: LC50 = 50120 mg/m³/8H; Oral, mouse: LD50 = 3 gm/kg; Oral, rabbit: LD50 = 5330 mg/kg; Oral, rat: LD50 = 5800 mg/kg; Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Epidemiology: In a series of studies, no statistically significant differences in causes of death or clinical laboratory results were observed in 948 employees exposed to up to 1070 ppm organic solvent over 23 years. Teratogenicity: Animal studies have only shown harmful effects in the offspring of animals exposed to doses which also produced significant maternal toxicity. Reproductive Effects: During the Stewart et al. study, four adult female volunteers were exposed 7.5 hours to vapor at a nominal concentration of 1000 ppm. Three of the four women experienced premature menstrual periods which were attributed to the exposure. Mutagenicity: Sex chromosome loss and nondisjunction (Yeast - *Saccharomyces cerevisiae*) = 47600 ppm; Cytogenetic analysis (Rodent - hamster Fibroblast) = 40 gm/L. Neurotoxicity: No information found

Petroleum gases, liquefied, sweetened (CAS#68476-86-8):

Acute Dose Effects Component Analysis - LD50/LC50 No LD50/LC50's are available for this product's components. Carcinogenicity - Component Carcinogenicity None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP

Section 12 : Ecological Information

Organic activator:

Ecotoxicity: Not available. BOD5 and COD: Not available. Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself. Special Remarks on the Products of Biodegradation: Not available

Organic solvent :

Ecotoxicity: Fish: Rainbow trout: 5540 mg/l; 96-hr; LC50Fish: Bluegill/Sunfish: 8300 mg/l; 96-hr; LC50 No data available. Environmental: Volatilizes, leeches, and biodegrades when released to soil. TERRESTRIAL FATE: If released on soil, will both volatilize and leach into the ground. Readily biodegrades and there is evidence suggesting that it biodegrades fairly rapidly in soils. AQUATIC FATE: If released into water, will probably biodegrade. It is readily biodegradable in screening tests, although data from natural water are lacking. It will also be lost due to volatilization (estimated half-life 20 hr from a model river). Adsorption to sediment should not be significant. Physical: ATMOSPHERIC FATE: In the atmosphere, will be lost by photolysis and reaction with photo chemically produced hydroxyl radicals. Half-life estimates from these combined processes are 79 and 13 days in January and June, respectively, for an overall annual average of 22 days. Therefore considerable dispersion should occur. Being miscible in water, wash out by rain should be an important removal process. This process has been confirmed around Lake Shinsei-ko in Japan. There was found in the air and rain as well as the lake

Petroleum gases, liquefied, sweetened (CAS#68476-86-8):

Ecotoxicity - Component Analysis - Ecotoxicity - Aquatic Toxicity No ecotoxicity data are available for this product's components

Section 13 : Disposal Considerations

Waste Treatment Methods

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements. CAS# 99-97-8 DMPT is listed on the TSCA inventory.

I certify that all chemicals in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA.

Section 14 : Transport Information

ADR/RID PROPER SHIPPING NAME : UN1950 Aerosol
PRIMARY HAZARD CLASS/DIVISION : 2.1
UN/UA Number : UN1950
Packing Group : II

Note: Small Containers LIMITED QUANTITY exception.

IMO Proper Shipping Name : UN 1950 AEROSOL
IMO UN class : 2.1
IMO UN class : 1950
IMO Packing Group : II
IMO Label : Flammable Gas
IMO Vessel Stowage : E

IATA PROPER SHIPPING NAME : UN 1950
UN HAZARD CLASS/DIVISION : 2.1
UN/NA NUMBER : 1950
IATA PACKING GROUP : II
IATA LABEL : FLAMMABLE GAS
IATA STOWAGE : ACCESSIBLE

Special Precautions for User: AVOID HIGH TEMPERATURES.

GHS Label:



DANGER CONTENTS UNDER PRESSURE. HIGHLY FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS. HARMFUL TO AQUATIC LIFE. Refer to SDS for additional information on safe handling / use. - Keep out of reach of children. For Industrial Use Only.

Contains: Organic activator, organic solvent, and Sweetened Liquefied Petroleum Gas. This product contains one or more chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

Hazards : H220: Extremely Flammable Gas. H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation. H280: Contains gas under pressure, may explode if heated. H340: May cause genetic defects. H301: Toxic if swallowed. H331: Toxic if inhaled. H311: Toxic in contact with skin. H336: May cause drowsiness or dizziness. H373: May cause damage to organs through prolonged or repeated exposure. H412: Harmful to aquatic life with long lasting effects.

Section 14 : Transport Information

Precautionary Statement(s): P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P280: Wear protective gloves/protective clothing/eye protection/face protection. P240: Ground/bond container and receiving equipment. P271: Use only outdoors or in a well-ventilated area. P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340+312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First Aid: Inhalation - Move person to fresh air. If symptoms occur obtain medical attention. **Skin Contact** - Wash affected skin with soap and water. If symptoms occur obtain medical attention.

Eye Contact - If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms occur obtain medical attention.

Ingestion - Do not induce vomiting. Drink one glass of water. If symptoms occur obtain medical attention

Section 15 : Regulatory Information

Hazard

H220: Extremely Flammable Gas.

H225: Highly flammable liquid and vapour.

H280: Contains gas under pressure, may explode if heated.

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H336: May cause drowsiness or dizziness.

H340: May cause genetic defects.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P240: Ground/bond container and receiving equipment.

P271: Use only outdoors or in a well-ventilated area.

Section 15 : Regulatory Information

Precautionary Statement(s):

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340+312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

R-Phrases:

R11: Highly Flammable

R12: Extremely flammable

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed

R33: Danger of cumulative effects

R36: Irritating to eyes

R45: May cause cancer

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R66: Repeated exposure may cause skin dryness or cracking

R67: Vapors may cause drowsiness and dizziness

S-Phrases:

S9: Keep container in a well-ventilated place

S16: Keep away from sources of ignition - No smoking

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

S28A: After contact with skin, wash immediately with plenty of water

S36/37: Wear suitable protective clothing and gloves

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S53: Avoid exposure - obtain special instructions before use

S61: Avoid release to the environment. Refer to special instructions/safety data sheets

Section 16 : Other Information

Disclaimer

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.