

SAF-T-LOK

International Corporation

Material Safety Data Sheet

IB BLACK

Issue Date: 10/22/12

SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: IB-B, Instant Bonder- Black
Product Type: Cyanoacrylate Adhesive
Part Numbers: **40301, 40321, 40351**
Hazard Rating: Health: 1 Fire: 2 Reactivity: 1

Company Identification: SAF-T-LOK International Corporation
300 EISENHOWER LANE NORTH
LOMBARD, IL 60148

Contact: Helen Champagne
Telephone/ Fax: (630) 495-2001
Emergency Phone (24 Hour): (703) 527-3887
Chemtrec (24 Hour): (800) 424-9300
Preparer: Ind. Hygiene Department
Internet: www.saftlok.com

Product Class: Mixture
DOT Hazard Class: N/A
Shipping Name: Unrestricted

SECTION II - INGREDIENT AND HAZARD INFORMATION

Components	CAS#	Percent
Ethyl Cyanoacrylate	7085-85-0	80-90
Hydroquinone	123-31-9	.5-1.5
Poly Methyl Methacrylate	9011-14-7	2-10
Di N Butyl Phthalate	84-74-2	10-20
Graphite	7782-42-5	.1-.5

SECTION III - HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

EMERGENCY OVERVIEW

Physical appearance:	Liquid	HMIS	
Physical color:	Black	Health:	1
Odor:	Ester-like odor	Flammability:	2
		Reactivity:	1
		Personal Protection:	B

WARNING; MAY CAUSE: EYE IRRITATION
SKIN IRRITATION
RESPIRATORY TRACT IRRITATION
MAY IRRITATE EXISTING ALLERGIC SKIN CONDITIONS

Relative routes of entry: Skin, Inhalation, Eyes, Ingestion

Skin Contact: Bonds skin rapidly. As with any chemical, prolonged, excessive, or repeated exposure may cause mild to moderate skin irritation, exhibited by redness, drying and cracking of unprotected skin.

Eye Contact: Vapors may irritate with slight pain and redness. Contact with adhesive may bond mucous membrane.

Respiratory/ Inhalation: Inhalation may cause irritation to mucous membrane.

Ingestion: Hazardous if swallowed because material solidifies on contact.

Medical conditions generally aggravated by exposure: None known, however any chemical product may enhance allergies already present in certain individuals.

SECTION IV – FIRST AID INSTRUCTIONS

Skin Contact: Remove contaminated clothing. Flush with water, remove solid with debond agent or acetone.

Eye Contact: Flush with water for at least 15 minutes holding eyelid open. Get medical attention immediately.

Respiratory / Inhalation: Remove to fresh air, if symptoms develop get medical attention.

Ingestion: Do not induce vomiting. Obtain immediate medical attention ..

SECTION V – FIRE FIGHTING INSTRUCTIONS

Flash Point:	176°F (T.C.C.)
Unusual Fire and Explosion Hazards:	None
Flammable Limits:	LEL: N/A, UEL: N/A
Extinguishing Media:	Carbon Dioxide, Foam, Dry Chemicals
Fire Fighting Procedures:	Air mask and procedures for fighting chemical fires

SECTION VI -ACCIDENTAL RELEASE MEASURES

Special Precautions:	None known. Follow general precautions shown below.
Environmental precautions:	Prevent material from entering floor drains, sewers, or any bodies of water.
Clean up methods:	Scoop up into waste container or soak up with absorbent material. Store in a closed container until disposal.

SECTION VII - HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors. Wash hands thoroughly at mealtime and end of shift.
	Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV.
Storage:	Store in a cool location (40-50°F) in a well ventilated area away from sources of heat. Keep container tightly closed when not in use.

Personal Protection:

Wear personal protective equipment as outlined in Section VIII of this MSDS.

SECTION VIII – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection:

No respiratory protection required, but normal good ventilation is recommended. Forced ventilation may be required if concentrations exceed normal use exposure.

Skin Protection:

Use impermeable gloves (neoprene, butyl rubber, natural rubber), as necessary to avoid skin contact, as well as proper clothing or plastic apron. Wash hands before eating, drinking, or using restroom.

Eye Protection:

Safety goggles or glasses are recommended.

Eye Washes:

Eye wash stations should be located within 100 feet or 10 second walk of the work area.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Black
Odor:	Mild
Boiling Point:	> 278°F
Specific Gravity:	1.10
Vapor Density (Air = 1):	4.3
Vapor Pressure (mm Hg.):	< 1 @30°F
pH:	N/A
Melting Point:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Polymerized by water
V.O.C. Content:	< 0.1%

SECTION X –STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous decomposition byproducts:	Oxides of carbon, Oxides of nitrogen
Incompatibility:	Reducing agents. Strong Oxidizers

SECTION XI – TOXICOLOGICAL INFORMATION

Ingredients which have exposure limits:

INGREDIENT	ACGIH (TLV)	OSHA (PEL)	OTHER
Ethyl Cyanoacrylate	0.2 pp, TWA	None	None
Hydroquinone	2 mg/ m ₃	2 mg/ m ₃ TWA	2 mg/ m ₃ TWA

SECTION XII – ECOLOGICAL DATA

Water Hazard:

Do not allow entry into drains or surface water

SECTION XIII – DISPOSAL CONSIDERATIONS

Recommended method of disposal: Unused product: Dispose of according to Federal, State and local regulations.

EPA Hazardous Waste Number; Not an RCRA hazardous waste.

SECTION XIV – SHIPPING AND TRANSPORTATION INFORMATION

U.S. Department of Transportation Ground (49 CFR

Proper Shipping Name:	Unrestricted
Hazard Class or Division:	None
Identification Number:	None
Packing Group:	None

International Air Transportation (OCAO/IATA):

Proper Shipping Name:	Unrestricted
Hazard Class or Division:	None
Identification Number:	None
Packing Group:	None

Water Transportation (IMO/IMDG):

Proper Shipping Name:	Unrestricted
Hazard Class or Division:	None
Identification Number:	None
Packing Group:	None
Marine Pollutant:	None

SECTION XV – REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

CERCLA/SARA Section 311/312: None

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

WHMIS hazard class D.2.B

SECTION XVI – OTHER INFORMATION

Revision date: 10/22/12

By: Human Resource Department

DISCLAIMER: The information on this material safety data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user. SAF-T-LOK International Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of SAF-T-LOK International Corporation products.

Black Instant Bonders**Technical Data Sheet**

GENERAL INFORMATION: **SAF-T-LOK** cyanoacrylate adhesives are a specialized series of single component, solvent free liquids that are individually formulated for instant bonding of mated metal, plastic or rubber parts and assemblies.

Instant Bonder adhesives cure at room temperature without pressure to provide exceedingly high bond strengths. Cure is catalyzed by weak alkaline materials including trace amounts of moisture on the surface of parts to be bonded. Shrinkage is negligible because **Instant Bonder** adhesives contain 100% reactive materials. Solvent resistance is very good.

PRODUCT DESCRIPTION: **SAF-T-LOK Black Instant Bonder** was developed to provide impact resistance and moderate gap filling viscosity for specific bonding requirements with engineered substrates. This cyanoacrylate satisfies most applications industry requirements.

Viscosity (cps)	3000
Gap Fill (in)	.012
Tensile Strength (psi)	5000
Impact Strength (psi)	15-25

Larger bond line gaps result in somewhat slower cure and lower bond strength. Gap filling and porous substrate bonding can be improved by the use of **SAF-T-LOK Accelerator**.

PRODUCT CHARACTERISTICS:

Base	Ethyl cyanoacrylate
Color	Black
Solids Content	100%
Solvent Content	Zero
Specific Gravity	1.10
Refractive Index	1.45 (Similar to glass)
Flash Point (SETA)	185°F

Resistance Qualities:

- (1) Temperature - Varies with substrate and exposure though in general optimum bonding performance within range of -114 to 180°F.
- (2) Water - Unaffected for several weeks, after which poorly designed joint strength may decrease as much as 25% in shear values.
- (3) Oils - Good resistance to motor oils.
- (4) Acids/Alkali - Generally good for dilute solutions, though prolonged immersion can decrease adhesive strength.

IMPORTANT NOTICE: All statements and technical data contained herein are based on tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. It is recommended that the buyer test this product to determine its suitability for his application before use. **SAF-T-LOK Corporation** is not responsible for loss, claim or damages resulting from use of its products.