



MATERIAL SAFETY DATA SHEET

International Epoxies & Sealers

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San Antonio, FL 33576
USA

EMERGENCY TELEPHONE

CALL INFOTRAC: 1-800-535-5053
OUTSIDE THE U.S.A. 1-352-323-3500

1. Product and Company Identification

Product Name: SECURE-BOND BONDING AGENT / PRIMER
Material Number: 8700
Chemical Family: Polyurethane Aqueous Dispersion

2. Hazards Identification

Emergency Overview

CAUTION! Color: White **Form:** liquid **Odor:** Slight, Solvent.
Product poses little or no hazard if spilled. Irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

Potential Health Effects

Primary Routes of Entry: Inhalation, Skin Contact, Eye Contact

Medical Conditions Aggravated by Exposure: None known.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

General Effects of Exposure

Acute Effects of Exposure

For Product: SECURE-BOND BONDING AGENT / PRIMER

Not expected to cause any adverse acute health effects. Gases and fumes evolved during the thermal processing or decomposition of this material may irritate the eyes, skin or respiratory tract.

Chronic Effects of Exposure

For Product: SECURE-BOND BONDING AGENT / PRIMER

No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

Material Name: Secure-Bond Bonding Agent / Primer

Article Number: 8700

3. Composition/Information on Ingredients

Hazardous Components

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

4. First Aid Measures

Eye Contact

In case of contact, flush eyes with plenty of lukewarm water. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Get medical attention if irritation develops. Thoroughly clean shoes before reuse. Wash clothing before reuse.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media: carbon dioxide (CO₂), dry chemical, foam, water spray for large fires.

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

6. Accidental release measures

Spill and Leak Procedures

Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal.

7. Handling and Storage

Storage Temperature:

minimum: 5 °C (41 °F)
maximum: 60 °C (140 °F)

Storage Period

6 Months: after receipt of material by customer

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing. Avoid contact with eyes and skin.

8. Exposure Controls / Personal Protection

Acetone (67-64-1)

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 500 ppm

US. ACGIH Threshold Limit Values

Short Term Exposure Limit (STEL): 750 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 1,000 ppm, 2,400 mg/m³

US. ACGIH Threshold Limit Values

Hazard Designation: Group A4 Not classifiable as a human carcinogen.

Industrial Hygiene/Ventilation Measures

Under normal conditions of use, special ventilation is not required. Thermal processing operations should be ventilated to control gases and fumes given off during processing.

Respiratory Protection

None required under normal conditions of use., NIOSH approved air-supplied respirator during die cleaning, high temperature processing or when thermal decomposition is suspected.

Hand Protection

Permeation resistant gloves., Nitrile rubber gloves., Butyl rubber gloves., fluorinated rubber, Polyvinyl chloride (PVC/vinyl) gloves., Natural rubber gloves.

Eye Protection

safety glasses with side-shields.

Skin and body protection

Permeation resistant clothing, Gloves, long sleeved shirts and pants.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and chemical properties

Form:	liquid
Color:	White
Odor:	Slight, Solvent
pH:	Approximately 7.5
Freezing Point:	Approximately 0 °C (32 °F) similar to water
Boiling Point/Range:	Approximately 100 °C (212 °F) similar to water
Flash Point:	Not applicable (water based product), however, solid material will support combustion if water has been evaporated.
Lower Explosion Limit:	Not Established
Upper Explosion Limit:	Not Established

Vapor Pressure: Approximately 130 hPa @ 50 °C (122 °F)
Specific Gravity: Approximately 1.07 @ 20 °C (68 °F) (DIN 51757)
Solubility in Water: Soluble
Autoignition Temperature: Not Established
Viscosity, Dynamic: Approximately 150 - 800 mPa.s (DIN 53018)
Bulk Density: Approximately 8.9 lb/gal

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerization does not occur.

Stability

Stable

Materials to avoid

Water reactives

Conditions to avoid

Protect from freezing.

Hazardous decomposition products

By Fire and High Heat: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke, Hydrogen cyanide, Isocyanate, Isocyanic Acid, Other undetermined compounds

11. Toxicological Information

Toxicity Data for SECURE-BOND BONDING AGENT / PRIMER

Acute Oral Toxicity

LD50: > 5,000 mg/kg (Rat)

Skin Irritation

rabbit, OECD Test Guideline 404, Exposure Time: 4 hrs, No skin irritation

Eye Irritation

rabbit, OECD Test Guideline 405, No eye irritation

Sensitization

dermal: non-sensitizer (Guinea pig, Buehler Test)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: negative (Salmonella typhimurium)

Toxicity Data for Polyester Polyurethane

Toxicity Note

Toxicity data is based on a similar product.

Acute Oral Toxicity

LD50: > 5,000 mg/kg (Rat)

Skin Irritation

rabbit, Non-irritating

Eye Irritation
rabbit, Non-irritating

12. Ecological Information

Ecological Data for SECURE-BOND BONDING AGENT / PRIMER

Biodegradation

4 %, Not readily biodegradable.

According to the results of tests of biodegradability this product is not readily biodegradable.

Acute and Prolonged Toxicity to Fish

LC50: 1,275 mg/l (Zebra fish (Brachydanio rerio), 96 hrs)

Acute Toxicity to Aquatic Invertebrates

EC50: > 100 mg/l (Water flea (Daphnia magna))

Toxicity to Microorganisms

EC50: > 10,000 mg/l,

Ecological Data for Polyester Polyurethane

Acute and Prolonged Toxicity to Fish

> 100 mg/l

Additional Ecotoxicological Remarks

Information given is based on data on the components and the ecotoxicology of similar products.

13. Disposal considerations

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations.

14. Transportation information

Land transport (DOT)

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory Information

United States Federal Regulations

OSHA Hazcom Standard Rating: Non-Hazardous

US. Toxic Substances Control Act: Listed on the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302):

Components

None

SARA Section 311/312 Hazard Categories:

Non-hazardous under Section 311/312

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):

Components

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:

Components

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
>=1%	Water	7732-18-5
>=1%	Polyester Polyurethane	67815-77-4

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

<u>Weight %</u>	<u>Components</u>	<u>CAS-No.</u>
<=1%	Acetone	67-64-1

California Prop. 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

16. Other Information

NFPA 704M Rating

Health	0
Flammability	1
Reactivity	0
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	0
Flammability	1
Physical Hazard	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard

The method of hazard communication for International Epoxies & Sealers is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by International Epoxies & Sealers as a customer service.

Contact Person: Product Safety Department
Telephone: (800) 451-7206
MSDS Number: 8700
Version Date: 07/14/08
Report Version: 1.11

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