



SAFETY DATA SHEET 25133

InnoviBond DUO Dual-Tank Adhesive Part B

SECTION 1 – SUBSTANCE IDENTITY AND COMPANY CONTACT INFORMATION

PRODUCT NAME	InnoviBond DUO Dual-Tank Adhesive Part B
TRADE NAME	Trufast Roofing Adhesive Tanks – Part B
PRODUCT NUMBER	6300115
CHEMICAL FAMILY	Resin
PRODUCT USE	Polyurethane Component/ Industrial Chemicals Recommended use*: polyurethane component; industrial chemicals Suitable for use in industrial sector: Polymers industry; chemical industry. Unsuitable for use: Uses other than recommended * The "Recommended use" identified for this product is provided solely to comply with a federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.
MANUFACTURER/SUPPLIER	Altenloh Brinck and Co. 02105 County Road 12C Bryan OH 43506, USA Phone: 800-443-9602 www.trufast.com
WEBSITE	www.iko.com
EMERGENCY NUMBER	CHEMTREC: 1-800-424-9300 (24 hours information only) CCN # 838620

SECTION 2 – HAZARD IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

SIGNAL WORD Danger

SYMBOL(S)



CLASSIFICATION Gases under Pressure – Compressed Gas
Skin Sensitization – Category 1
Germ Cell Mutagenicity – Category 2
Reproductive Toxicity – Category 1B (fertility)
Reproductive Toxicity – Category 1B (unborn child)
Specific Target Organ Toxicity, Repeated Exposure – Category 2



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Specific Target Organ Toxicity, Repeated Exposure – Category 1
Gases under pressure Compressed Gas
Simple Asphyxiant– Category 1

HAZARD STATEMENTS

- H280 Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.
- H317 May cause an allergic skin reaction.
- H341 Suspected of causing genetic defects.
- H360 May damage fertility. May damage the unborn child.
- H373 May cause damage to organs (Kidney, Thymus gland) through prolonged or repeated exposure.
- H372 Causes damage to organs (Kidney, Thymus gland) through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS

- P280 Wear protective gloves.
- P260 Do not breathe dust/gas/mist/vapours.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P270 Do not eat, drink, or smoke when using this product.
- P264 Wash contaminated body parts thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P308+P313 If exposed or concerned: Get medical attention.
- P302+P352 If on Skin: Wash with plenty of soap and water.
- P333+P311 If skin irritation or rash occurs: Get medical attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P410+P403 Protect from sunlight. Store in well-ventilated place.
- P405 Store locked up.
- P501 Dispose of contents and container to hazardous or special waste collection point according to federal, state, and local regulations.

Hazards not otherwise classified

No specific dangers known, if the regulations/recommendations for storage and handling are considered.

NFPA

Health: 1
Flammability: 1
Reactivity: 1

HMIS

Health: 2
Flammability: 1
Reactivity: 1

SECTION 3 – CHEMICAL COMPOSITION AND DATA ON COMPONENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200



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CHEMICAL NAME	% (w/w)	CAS NUMBER
Diethylene Glycol	1-3%	111-46-6
Stannane, dibutylbis(dodecylthio)-	0.3-3%	1185-81-5
1-Dodecanethiol	0-0.1%	112-55-0
Trans-1,3,3,3-Tetrafluoroprop-1-ene	10-25%	29118-24-9
Nitrogen	0-1%	7727-37-9

SECTION 4 – FIRST AID

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

INHALATION	Keep patient calm, remove to fresh air, seek medical attention.
INGESTION	Rinse mouth and then drink 200-300 ml of water. Immediate medical attention required.
SKIN CONTACT	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
EYE CONTACT	Rinse immediately for at least 15 minutes with plenty of water with eyelids held open.
ACUTE AND CHRONIC SYMPTOMS	Symptoms: allergic contact dermatitis, Ingestion may provoke the following symptoms:, kidney damage Information on: diethylene glycol Symptoms: Overexposure may cause:, vomiting, coma, abdominal cramps, lethargy, nausea, diarrhea, headache Information on: 1-Dodecanethiol Symptoms: Overexposure may cause:, corneal injury, skin corrosion, severe pain, coughing, respiratory disorders, dyspnea, allergic contact dermatitis, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps, Ingestion may provoke the following symptoms:;, asphyxia, choking, respiratory arrest, circulatory collapse, death. Additional Hazards: Symptoms can appear later.
MEDICAL ATTENTION	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	Suitable extinguishing media: water spray, dry powder, carbon dioxide, foam
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	Unsuitable extinguishing media for safety reasons: water jet
ADVICE FOR FIRE FIGHTING	Protective equipment for firefighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Hazards during fire-fighting: No particular hazards known.
FLAMMABILITY	Not flammable.
PROPERTIES	
FLASH POINT	>200.00 °C (open cup)
FLAMMABLE LIMITS IN AIR	Lower: 5 - 15° C below flash point Upper: No information available.
AUTO IGNITION TEMPERATURE	>250 °C
ADDITIONAL INFORMATION	Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE MEASURES AND EMERGENCY PROCEDURES	Wear suitable personal protective clothing and equipment. High risk of slipping due to leakage/spillage of product.
ENVIRONMENTAL PRECAUTIONS	Do not discharge into drains/surface waters/groundwater/subsoil/soil.
SPILL MANAGEMENT	Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose in accordance with federal, state, and local regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING PROCEDURE	Keep cylinders (valves) closed tightly during transport and storage. Do not puncture as contents are under pressure. Protect from moisture and sunlight. Avoid inhalation of dusts/mists/vapors during application and only use product in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Wear protective equipment as required. Do not reuse cylinders for any purpose. Protection against fire and explosion: No special precautions necessary. Contents under pressure. Extreme temperatures (>170° F) can cause cylinders to rupture or explode.
STORAGE PRECAUTIONS	Storage stability: Protect against freezing. Do not store above 95°F. The stated temperature limit is noted for health and safety in the workplace. To maximize product shelf life, ideal storage temperature



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is 55-90° F.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

EXPOSURE LIMITS:

Ingredient	CAS Number	OSHA-PEL	ACGIH-TWA	ACGIH-STEL	Other
1-Dodecanethiol	112-55-0	None Listed	0.1 ppm	None Listed	
Stannane, dibutylbis(dodecylthio)-	1185-81-5	0.1 mg/m3	0.1 mg/m3	0.2 mg/m3	
Trans-1,3,3,3-Tetrafluoroprop-1-ene	29118-24-9	None Listed	None Listed	None Listed	800 ppm

ENGINEERING MEASURES Provide adequate ventilation to control vapors/mists and maintain personal exposure limits. Do not eat, drink, or use tobacco while working.

RESPIRATORY PROTECTION When workers are facing concentrations above the occupational exposure limits (PEL, TLV, REL, ect.) they must use appropriate certified respirators. NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place.

HAND/BODY PROTECTION Wear protective gloves and clothing to prevent all skin contact. Suitable glove materials may include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, depending upon conditions of use. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.

EYE PROTECTION Wear safety glasses with side shields, chemical goggles, or face shield.

GENERAL SAFETY AND HYGIENE MEASURES No information available.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOR etc.) Form: Liquid
Color: Black

ODOR Of Polyol

ODOR THRESHOLD No information available.

PH >= 7



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MELTING POINT/FREEZING POINT	Freezing point: 0 °C
INITIAL BOILING POINT AND BOILING RANGE	Boiling point: >140°C
FLASH POINT	>200 °C (open cup)
EVAPORATION RATE	Value can be approximated from Henry's Law Constant
FLAMMABILITY	Not flammable.
UPPER/LOWER FLAMMABILITY/EXPLOSIVE LIMITS	Lower: 5 - 15° C below flash point Upper: No information available
VAPOR PRESSURE	< 0.1 hPa (25 °C)
DENSITY	1.002 g/cm ³ (20° C)
VAPOR DENSITY	No applicable information available.
RELATIVE DENSITY	No applicable information available.
MOLECULAR WEIGHT	No information available
SOLUBILITY(IES)	Solubility in water: Partly soluble
PARTITION COEFFICIENT: N-OCTANOL/WATER	Unspecified.
AUTO-IGNITION TEMPERATURE	>250 °C
SELF-IGNITION TEMPERATURE:	Not classified as self-igniting
THERMAL DECOMPOSITION:	No decomposition if stored and handled as prescribed
VISCOSITY	Dynamic: 250.00 mPa.s (25 °C) Kinematic: No applicable information available.

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	Corrosion to metals: No corrosive effect on metal. Oxidizing properties: Not fire propagating.
CHEMICAL STABILITY	The product is stable if stored and handled as prescribed/indicated in section 7.
POSSIBILITY OF HAZARDOUS REACTIONS	No hazardous reactions if stored and handled as prescribed / indicated.



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CONDITIONS TO AVOID	Temperatures below 0 °C (32 °F).
INCOMPATIBLE MATERIALS	Acids, oxidizing agents, isocyanates
HAZARDOUS DECOMPOSITION PRODUCTS	Decomposition products: Hazardous decomposition products: carbon monoxide, carbon dioxide, hydrogen cyanide, nitrogen oxides. Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

SECTION 11 – TOXICOLOGICAL INFORMATION

PRIMARY ROUTE OF EXPOSURE	Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.
ACUTE TOXICITY	Assessment of acute toxicity: No known acute effects. Assessment other acute effects/ STOT single: Based on available information there is no specific organ toxicity to be expected after a single exposure. Origin of data: expert judgement. Irritation / corrosion: Assessment of irritating effects: No irritation is expected under intended use and appropriate handling. Information on: Stannane, dibutylbis(dodecylthio)- Assessment of irritating effects: Not irritating to eyes and skin.
CHRONIC TOXICITY	Assessment of repeated dose toxicity: Repeated exposure may affect certain organs. Repeated exposure to small quantities may affect certain organs. Information on: diethylene glycol Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies. The effects were only observed at doses/concentrations not relevant for classification and/or practical use conditions. These effects are not relevant to humans at occupational levels of exposure. The substance may cause damage to the liver after repeated ingestion. Information on: Stannane, dibutylbis(dodecylthio)- Assessment of repeated dose toxicity: Repeated exposure to small quantities may affect certain organs.
EYES	No information available.
SKIN	No information available.
INHALATION	No information available.



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INGESTION	No information available.
SENSITIZATION	Sensitization after skin contact possible. Information on: Stannane, dibutylbis(dodecylthio)- Assessment of sensitization: sensitizing effect in animal tests
ASPIRATION HAZARD	No aspiration hazard expected.
GENETIC TOXICITY	Mutagenic properties cannot be excluded on the basis of experimental data. Information on: Stannane, dibutylbis(dodecylthio)- Assessment of mutagenicity: Mutagenic properties cannot be excluded on the basis of experimental data.
CARCINOGENICITY	The chemical structure does not suggest a specific alert for such an effect. No applicable information available.
REPRODUCTIVE TOXICITY	Causes impairment of fertility in laboratory animals. Information on: Stannane, dibutylbis(dodecylthio)- Assessment of reproduction toxicity: Causes impairment of fertility in laboratory animals. The results of animal studies suggest a fertility impairing effect. Teratogenicity: The substance caused malformations/developmental toxicity in laboratory animals. Information on: Stannane, dibutylbis(dodecylthio)- Assessment of teratogenicity: No data available. Other Information: The product has not been tested. The statement has been derived from the properties of the individual components.
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE	Individuals with allergic history or pre-existing dermatitis should use extra precautions when handling this product. The substance may cause sensitization of the skin in particularly sensitive individuals.

SECTION 12 – ECOLOGICAL INFORMATION

AQUATIC TOXICITY	There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.
PERSISTENCE & DEGRADABILITY	Assessment of biodegradation and eliminations: Poorly biodegradable.
BIOACCUMULATION POTENTIAL	Significant accumulation in organisms is not to be expected.



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MOBILITY IN SOILS	Adsorption to solid soil phase is not expected.
ADDITIONAL INFORMATION	Adsorbable organically-bound halogen(AOX): This product contains no organically-bound halogen. Other ecotoxicological advice: The product has not been tested. Do not discharge product into the environment without control.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL RECOMMENDATIONS:

Disposal of waste chemical: Dispose of in a licensed facility according to federal, state, and local hazardous waste regulations. Do not discharge chemical into sewer system or allow to contaminate soil.

Disposal of empty container/canister/cylinder/tanks and dispense gun:

1. Discharge canisters with included dispense gun and mix tip as foam completely into a waste container until one canister is empty of material.
2. Remove dispense gun manifold and discharge residual chemical into a sealed waste container (ie: plastic bucket) until residual chemical and gas are evacuated and both canisters are depressurized.
3. Dispose of empty canisters, dispense gun, and hoses according to federal, state, and local regulations for the treatment of hazardous and nonhazardous wastes. Consult your local waste disposal service for guidance.
4. Dispose of captured residual chemical in a licensed facility according to applicable federal, state, and local regulations. Do not discharge chemical into sewer system or allow to contaminate soil.

SECTION 14 – TRANSPORT INFORMATION

Transport of dangerous goods by:

Land transport: USDOT

Hazard class: 2.2

ID number: UN 3500

Hazard label: 2.2

Proper shipping name: CHEMICAL UNDER PRESSURE, N.O.S. (contains TRANS- 1,3,3,3- TETRAFLUOROPROP-1-ENE, NITROGEN)

Sea transport: IMDG

Hazard class: 2.2

ID number: UN 3500



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Hazard label: 2.2
Marine pollutant: NO
Proper shipping name: CHEMICAL UNDER PRESSURE, N.O.S. (contains TRANS- 1,3,3,3- TETRAFLUOROPROP-1-ENE, NITROGEN)
Air transport: IATA/ICAO
Hazard class: 2.2
ID number: UN 3500
Hazard label: 2.2
Proper shipping name: CHEMICAL UNDER PRESSURE, N.O.S. (contains TRANS- 1,3,3,3- TETRAFLUOROPROP-1-ENE, NITROGEN)

Further information:

DOT: This product is regulated if the amount in a single receptacle exceeds the Reportable Quantity (RQ). Please refer to Section 15 of this SDS for the RQ for this product.

SECTION 15 - REGULATIONS

Federal Regulations:

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

State Regulations:

State RTK	CAS Number	Chemical name
PA	111-46-6	diethylene glycol

NFPA Hazard codes:

Health: 1 Fire:1 Reactivity: 1 Special:

HMIS III rating:

Health: 2 ▯ Flammability:1 Physical hazard:1

SECTION 16 – OTHER INFORMATION

REVISION DATE OF SDS October 23 2024

REPLACES THE MSDS/SDS (new)
FROM



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PREPARED BY	Research Department
GENERAL INFORMATION	1-888-766-2468
WEBSITE	www.iko.com
OTHER INFO/DISCLAMERS	Read this Safety Data Sheet before handling or disposing of this product.

This product safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.