

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: TEGO® Addbond LTK-B

Chemical name:

Solution of polyester resin, styrene free

Other means of identification

None.

Recommended restrictions

Recommended use: Industrial use

Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
2 Turner Place
Piscataway, NJ 08854
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids

Category 3

Health Hazards

Specific Target Organ Toxicity -
Single Exposure

Category 3
(Narcotic effect.)

Label Elements

Hazard Symbol:



Signal Word: Warning**Hazard Statement:**Flammable liquid and vapor.
May cause drowsiness or dizziness.**Precautionary Statements****Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/ eye protection/ face protection.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

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

Disposal:

Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Hazard(s) not otherwise classified (HNOC):

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

3. Composition/information on ingredients**Chemical name:**

Solution of polyester resin, styrene free

Mixtures

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%) [*] |
|-------------------|--------------------------|------------|-------------------------------------|
| Butyl acetate | | 123-86-4 | 15 - 40% |

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures**Description of first aid measures****General information:**

Remove soiled or soaked clothing immediately

Inhalation:

fresh air supply, consult a doctor if feeling unwell.

| | |
|--|---|
| Skin Contact: | In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care. |
| Eye contact: | In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice. |
| Ingestion: | Rinse out mouth and give plenty of water to drink. In case of discomfort: Supply with medical care. |
| Personal Protection for First-aid Responders: | No data available. |

Most important symptoms and effects, both acute and delayed

| | |
|------------------|----------------------------------|
| Symptoms: | Up to now no symptoms are known. |
| Hazards: | No data available. |

Indication of immediate medical attention and special treatment needed

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|-------------------|------------------------|
| Treatment: | Treat symptomatically. |
|-------------------|------------------------|

5. Fire-fighting measures**Suitable (and unsuitable) extinguishing media**

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|---|--|
| Suitable extinguishing media: | foam, carbon dioxide, dry powder, water spray. |
| Unsuitable extinguishing media: | High volume water jet. |
| Special hazards arising from the substance or mixture: | In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded |

Special protective equipment and precautions for firefighters

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|--|---|
| Special fire fighting procedures: | The product can release hydrogen. Explosive mixtures may develop in partially emptied containers. |
| Special protective equipment for fire-fighters: | Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus. |

6. Accidental release measures

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|---|--|
| Personal precautions, protective equipment and emergency procedures: | Use personal protective equipment. |
| Accidental release measures: | No data available. |
| Methods and material for containment and cleaning up: | Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations. |
| Environmental Precautions: | Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil. |

7. Handling and storage

Handling

- Technical measures:** No data available.
- Local/Total ventilation:** No data available.
- Safe handling advice:** Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols.
- Contact avoidance measures:** No data available.

Storage

- Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Do not store together with oxidizing agents.
- Safe packaging materials:** No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | | Source |
|-------------------|------|-----------------------|-----------|-------------------|
| Butyl acetate | TWA | 50 ppm | | ACGIH (03 2016) |
| | STEL | 150 ppm | | ACGIH (03 2016) |
| | REL | 150 ppm | 710 mg/m3 | NIOSH (2010) |
| | STEL | 200 ppm | 950 mg/m3 | NIOSH (2010) |
| | PEL | 150 ppm | 710 mg/m3 | OSHA Z1 (03 2016) |

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety goggles

Skin Protection

Hand Protection: Material: Butyl rubber.
 Break-through time: 60 min
 Material: PVC
 Break-through time: 30 min
 Material: Nitrile rubber.
 Break-through time: 30 min

| | |
|----------------------------------|--|
| Skin and Body Protection: | protective clothing |
| Respiratory Protection: | in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2 |
| Hygiene measures: | Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately. |

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

| | |
|------------------------|---|
| Physical state: | liquid |
| Form: | liquid |
| Color: | slightly yellowish |
| Odor: | solvent-like |
| Odor Threshold: | not measured |
| Freezing point: | not measured |
| Boiling Point: | Approximate 259 °F/126 °C Solvent |
| Flammability: | No data available. |

Upper/lower limit on flammability or explosive limits

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|---------------------------------|--------------|
| Explosive limit - upper: | not measured |
| Explosive limit - lower: | not measured |

| | |
|---------------------|---------------------------------------|
| Flash Point: | Approximate 81 °F/27 °C Solvent |
|---------------------|---------------------------------------|

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|-----------------------------------|--------------|
| Auto-ignition temperature: | not measured |
|-----------------------------------|--------------|

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|-----------------------------------|--------------|
| Decomposition Temperature: | not measured |
|-----------------------------------|--------------|

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|------------|----------------|
| pH: | Not applicable |
|------------|----------------|

Viscosity

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|-----------------------------|--|
| Dynamic viscosity: | 0.82 mPa.s at 77 °F/25 °C Solvent |
| Kinematic viscosity: | 0.94 mm ² /s at 77 °F/25 °C , Method: calculated |
| Flow Time: | No data available. |

Solubility(ies)

| | |
|-----------------------------|--------------------|
| Solubility in Water: | Insoluble |
| Solubility (other): | No data available. |

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|---|--------------|
| Partition coefficient (n-octanol/water): | not measured |
|---|--------------|

| | |
|------------------------|---|
| Vapor pressure: | Approximate 11.2 hPa at 68 °F/20 °C Solvent |
|------------------------|---|

| | |
|---------------------------------------|---|
| Relative density: | not measured |
| Density: | Approximate 0.881 g/cm ³ Solvent |
| Bulk density: | not measured |
| Relative vapor density: | not measured |
| Particle characteristics | |
| Particle Size: | Not applicable |
| Particle Size Distribution: | No data available. |
| Specific surface area: | No data available. |
| Surface charge/Zeta potential: | No data available. |
| Shape: | No data available. |
| Crystallinity: | No data available. |
| Surface treatment: | No data available. |

Other information

| | |
|------------------------------|-------------------------|
| Explosive properties: | not measured |
| Oxidizing properties: | not oxidizing |
| Self-ignition: | not measured |
| Metal Corrosion: | Not corrosive to metals |
| Evaporation Rate: | not measured |

10. Stability and reactivity

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|--|---|
| Reactivity: | see section "Possibility of hazardous reactions". |
| Chemical Stability: | The product is stable under normal conditions. |
| Possibility of hazardous reactions: | No hazardous reactions with proper storage and handling |
| Conditions to avoid: | None with proper storage and handling. |
| Incompatible Materials: | Oxidizing agent |
| Hazardous Decomposition Products: | None with proper storage and handling. |

11. Toxicological information**Information on likely routes of exposure**

| | |
|----------------------|---|
| Inhalation: | Information on effects are given below. |
| Skin Contact: | Information on effects are given below. |
| Eye contact: | Information on effects are given below. |
| Ingestion: | Information on effects are given below. |

Acute toxicity (list all possible routes of exposure)**Oral****Product:** Not classified for acute toxicity based on available data.**Dermal****Product:** Not classified for acute toxicity based on available data.**Inhalation****Product:** Not classified for acute toxicity based on available data.**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** No data available.**Serious Eye Damage/Eye Irritation****Product:** No data available.**Respiratory or Skin Sensitization****Product:** No data available.**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

No data available.

In vitro**Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** Not classified

Information on health hazards**Other hazards****Product:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:****Toxicity to microorganisms****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Persistence and Degradability****Biodegradation****Product:** No data available.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** , not measured**Mobility in soil:****Product:** No data available.**Results of PBT and vPvB assessment:**

Product name: TEGO® Addbond LTK-B

Product: No data available.**Other adverse effects:****Other hazards****Product:** Do not allow to enter soil, waterways or waste water canal.**13. Disposal considerations****Disposal methods:** In accordance with local authority regulations, take to special waste incineration plant**Contaminated Packaging:** If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.**14. Transport information****Domestic regulation****49 CFR**UN/ID/NA number : UN 1866
Proper shipping name : Resin solutionClass : 3
Packing group : III
Labels : 3
ERG Code : 127
Marine pollutant : no
Remarks : FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!**International Regulations****IATA-DGR**UN/ID No. : UN 1866
Proper shipping name : Resin solution
Class : 3
Packing group : III
Labels : 3
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Remarks : FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!**IMDG-Code**UN number or ID number : UN 1866
Proper shipping name : RESIN SOLUTION
Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no
Remarks : FOR USA ONLY: When shipping in, by or via USA note of the Reportable Quantity-Regulation!, Stowage category A, Segregation group not required / not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information**US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

CERCLA Hazardous Substance List (40 CFR 302.4):**Chemical Identity**

BUTYL ACETATE

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**Chemical Identity**

BUTYL ACETATE

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

Inventory Status:

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|---------------------------|---|
| US TSCA Inventory: | On or in compliance with the inventory All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723. |
|---------------------------|---|

16. Other information, including date of preparation or last revision
Version #: 1.1

Generation date: 07/25/2024

Date of first report version: 04/19/2024

Abbreviations and acronyms:

| | |
|---------------------|---|
| ACGIH: | US. ACGIH Threshold Limit Values, as amended |
| NIOSH/GUIDE: | US. NIOSH: Pocket Guide to Chemical Hazards, as amended |
| OSHA_TRANS: | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended |
| ACGIH / STEL: | Short Term Exposure Limit (STEL): |
| ACGIH / TWA: | Time Weighted Average (TWA): |
| NIOSH/GUIDE / REL: | Recommended exposure limit (REL): |
| NIOSH/GUIDE / STEL: | Short Term Exposure Limit (STEL): |
| OSHA_TRANS / PEL: | Permissible exposure limit: |

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very

Bioaccumulative

Further Information: No data available.

Revision Information Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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