

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO® Addbond HS

**Chemical name:**  
Polyester resin, styrene free

**Other means of identification**

**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<sup>1</sup>.

**Target Organs**

1. Central nervous system

**Label Elements**

**Hazard Symbol:**



<b>Signal Word:</b>	Warning
<b>Hazard Statement:</b>	Flammable liquid and vapor. May cause drowsiness or dizziness.
<b>Precautionary Statements</b>	
<b>Prevention:</b>	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>Response:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

**Chemical name:**  
Polyester resin, styrene free

#### Mixtures

Chemical Identity	CAS number	Content in percent (%) <sup>*</sup>
Butyl acetate	123-86-4	25 - 50%

<sup>\*</sup> 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 necessary first-aid measures

<b>General information:</b>	Remove soiled or soaked clothing immediately
<b>Inhalation:</b>	Ensure supply of fresh air. In the event of symptoms seek medical advice.
<b>Skin Contact:</b>	In case of contact with skin wash off immediately with soap and water Consult a doctor if skin irritation persists.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek medical advice.
<b>Ingestion:</b>	Thoroughly clean the mouth with water In the event of symptoms seek medical advice.
<b>Personal Protection for First-aid Responders:</b>	Do not inhale explosion and/or combustion gases, Self-contained breathing apparatus.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness. Prolonged skin contact may cause skin irritation and/or dermatitis.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** Full water jet

**Specific hazards arising from the chemical:** 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**

**Special fire fighting procedures:** Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Vapours may form explosive mixtures with air Cool endangered containers by water spray

**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases Self-contained breathing apparatus.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Keep away sources of ignition. Ensure adequate ventilation.

**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 discharge into the subsoil/soil. Do not allow to enter drains or waterways

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** No data available.

**Safe handling advice:** Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary).

**Contact avoidance measures:** No data available.

**Hygiene measures:** Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. Use barrier skin cream.

**Storage**

**Safe storage conditions:** Keep container tightly closed and dry in a cool, well-ventilated place Protect from heat and direct sunlight

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.  
 Hazardous components without workplace control parameters

**Appropriate Engineering Controls** No data available.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** This product is not classified as an eye irritant. Any necessity for eye protection must be determined within the scope of a risk assessment.

#### Skin Protection

**Hand Protection:** Material: gloves made of nitril (NBR)  
 Break-through time: > 480 min  
 Material: gloves made of nitril (NBR)  
 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:** Do not eat, drink or smoke when working. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. Use barrier skin cream.

## 9. Physical and chemical properties

### Appearance

**Physical state:** liquid  
**Form:** liquid  
**Color:** Colorless  
**Odor:** ester-like  
**Odor Threshold:** not measured  
**pH:** Not applicable  
**Freezing point:** Not applicable  
**Boiling Point:** 126 °C (1,013 hPa)  
**Flash Point:** 91 °F (DIN EN ISO 13736)  
**Evaporation Rate:** not measured  
**Flammability (solid, gas):** no data available

**Explosive limit - upper (%):** not measured  
**Explosive limit - lower (%):** not measured  
**Vapor pressure:** 9 hPa (20 °C)  
**Vapor density (air=1):** not measured  
**Density:** 1.10 g/cm<sup>3</sup> (20 °C)

<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Self Ignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	1,500 - 2,500 mPa.s (23 °C, DIN 53214)
<b>Other information</b>	
<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not measured
<b>Minimum ignition temperature:</b>	415 °C (DIN 51794) Solvent
<b>Metal Corrosion:</b>	not measured

## 10. Stability and reactivity

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	The product is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Reactions with oxidizing agents.
<b>Conditions to avoid:</b>	Unknown
<b>Incompatible Materials:</b>	Unknown
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)****Oral****Product:** no data available**Dermal****Product:** no data available**Inhalation****Product:** no data available**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

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

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity****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**Other effects:**

Vapours may cause drowsiness and dizziness. Due to the composition of the product in its undiluted form it can't be excluded: Repeated exposure may cause skin dryness or cracking.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****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 K<sub>ow</sub>)****Product:** Log K<sub>ow</sub>: not measured**Mobility in soil:**

No data available.

**Components:**

Butyl acetate No data available.

**Other adverse effects:**

Do not allow to enter soil, waterways or waste water canal. The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV)).

**13. Disposal considerations**

<b>Disposal methods:</b>	In accordance with local authority regulations, take to special waste incineration plant
<b>Contaminated Packaging:</b>	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 solution

Class : 3  
Packing group : III  
Labels : 3  
ERG Code : 127  
Marine pollutant : no

**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

**IMDG-Code**

UN 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 : Stowage category A

**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.

**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.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

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

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Butyl acetate	5000 lbs.

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

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

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances****SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
--------------------------	------------------------------------

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

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

None present or none present in regulated quantities.

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

None present or none present in regulated quantities.

**US State Regulations****US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**US. New Jersey Worker and Community Right-to-Know Act**
**Chemical Identity**

Butyl acetate

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**
**Chemical Identity**

Butyl acetate

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

Canada DSL Inventory List:	Included on Inventory.
US TSCA Inventory:	Included on Inventory.

**16. Other information, including date of preparation or last revision**
**HMIS Hazard ID**

<b>Health</b>	2
<b>Flammability</b>	3
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	X

Ask supervisor or safety specialist for handling instructions

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Issue Date:** 03/15/2019

**Version #:** 1.0

**Further Information:** none

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

**Disclaimer:**

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.