

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

SECTION 1. IDENTIFICATION

Product name : Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Product code : P75374E2

Manufacturer or supplier's details

Company name of supplier : Synthomer Adhesive Technologies LLC

Address : 25435 HARVARD ROAD
BEACHWOOD OH 44122-6201

Emergency telephone : CHEMTREC: +1-800-424-9300, +1-703-527-3887
CCN212893

Recommended use of the chemical and restrictions on use

Recommended use : Adhesive
Plasticizer
Cosmetic.

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Substance name : hydrogenated rosin, triethylene glycol ester

CAS-No. : 68648-53-3

Components

No hazardous ingredients

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

Eastman is committed to the safety, health and environment of our employees, our customers, and the communities we operate within. As part of this commitment, Eastman's Safety Data Sheets (SDS) are prepared in accordance with all applicable national and local regulations. The compositions of our documents reflect these requirements which include, but are not limited to, requirements under the Globally Harmonized System of Classification and Labeling (GHS). These compositions commonly involve the use of ranges versus specific analytical values. If you require a composition that is more specific, please refer to the Certificate of Analysis, sales specification, or contact your Customer Service Representative.

SECTION 4. FIRST AID MEASURES

If inhaled	: Move to fresh air. Get medical attention if symptoms occur.
In case of skin contact	: Cool skin rapidly with cold water after contact with molten material. Get immediate medical advice/ attention.
In case of eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	: Seek medical advice.
Most important symptoms and effects, both acute and delayed	: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.
Notes to physician	: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use water spray to extinguish. Dry chemical Carbon dioxide (CO2) Foam
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: None known.
Hazardous combustion products	: No hazardous combustion products are known
Further information	: None known.
Special protective equipment for fire-fighters	: Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

**Staybelite(TM) Ester 3-E Ester of
Hydrogenated Rosin**

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear appropriate personal protective equipment.
- Environmental precautions : Avoid release to the environment.
- Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : None known.
- Advice on safe handling : Handle with care.
Avoid contact with skin, eyes and clothing.
- Conditions for safe storage : Keep container tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

- Engineering measures** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

- Respiratory protection : If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hand protection

- Remarks : Wear suitable gloves.

- Eye protection : Safety glasses with side-shields
Face-shield

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When working with hot material, avoid contact with skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: viscous liquid
Color	: amber
Odor	: slight, pine
Odor Threshold	: not determined
pH	: not determined
Melting point/range	: not determined
Boiling point/boiling range	: not determined
Flash point	: 374 °F / 190 °C Method: open cup
Evaporation rate	: not determined
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapor pressure	: not determined
Relative vapor density	: not determined
Relative density	: 1.08 (77 °F / 25 °C)
Solubility(ies) Water solubility	: negligible
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: not determined
Decomposition temperature	: Thermal stability not tested. Low stability hazard expected at normal operating temperatures.

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

Viscosity		
Viscosity, dynamic	:	200 - 300 mPa.s (95 °F / 35 °C)
Viscosity, kinematic	:	185 - 277 mm2/s (95 °F / 35 °C)
		Method: estimated
Explosive properties	:	No data available
Oxidizing properties	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	Incompatible materials
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon monoxide Carbon dioxide (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Product:

Acute oral toxicity	:	Remarks: No data available
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks	:	No data available
---------	---	-------------------

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks	:	No data available
---------	---	-------------------

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version
1.2
PRDRevision Date:
03/30/2022SDS Number:
150000049350
SDSUS / Z8 / 0540Date of last issue: 02/14/2022
Date of first issue: 09/06/2016
N43 / 0090963988 / 0004346440**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks : No data available

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Product:

Remarks : This information is not available.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Product:

Effects on fertility : Remarks: No data available

STOT-single exposure

Not classified based on available information.

Product:

Remarks : No data available

STOT-repeated exposure

Not classified based on available information.

Product:

Remarks : No data available

Aspiration toxicity

Not classified based on available information.

**Staybelite(TM) Ester 3-E Ester of
Hydrogenated Rosin**

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

Product:

No data available

Experience with human exposure**Product:**

Inhalation	:	Remarks: None known.
Skin contact	:	Remarks: Molten material will produce thermal burns.
Eye contact	:	Remarks: Molten material will produce thermal burns.
Ingestion	:	Remarks: None known.

Further information**Product:**

Remarks	:	None known.
---------	---	-------------

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues	:	Dispose of in accordance with local regulations.
---------------------	---	--

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

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

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
TECI	: On the inventory, or in compliance with the inventory

Staybelite(TM) Ester 3-E Ester of Hydrogenated Rosin

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

TSCA list

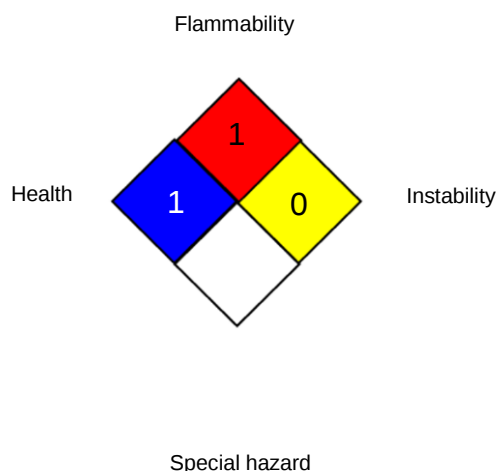
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	1
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

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)

**Staybelite(TM) Ester 3-E Ester of
Hydrogenated Rosin**

Customer PO: 4525325084-2

Version	Revision Date:	SDS Number:	Date of last issue: 02/14/2022
1.2	03/30/2022	150000049350	Date of first issue: 09/06/2016
PRD		SDSUS / Z8 / 0540	N43 / 0090963988 / 0004346440

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; TECL - 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

Revision Date : 03/30/2022

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8