

Product name: TEGO® Airex 920

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: TEGO® Airex 920

Chemical name:
Modified polymer

Other means of identification
None.

Recommended restrictions

Recommended use: Industrial use
Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
Nutrition & Care
7801 Whitepine Road
Richmond, VA 23237
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

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

Emergency telephone number:

24 Hour Emergency : +1 800 424 9300 (CHEMTREC - US & CANADA)
Telephone : 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazards for the product as supplied
Not classified

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

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Product name: TEGO® Airex 920

**Precautionary
Statements****3. Composition/information on ingredients****Chemical name:**
Modified polymer**Substances****Composition information of impurities and stabilizers**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
1-Dodecanethiol		112-55-0	0.0999%

^{*} 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 water. In case of discomfort: Supply with medical care.
Ingestion:	Thoroughly clean the mouth with water 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

Treatment:	Treat symptomatically.
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5. Fire-fighting measures**Suitable (and unsuitable) extinguishing media****Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

Product name: TEGO® Airex 920

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

Special fire fighting procedures: No specific precautions.

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.

Accidental release measures: No data available.

Methods and material for containment and cleaning up: Take up with absorbent material (eg sand, diatomaceous earth, 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: Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary).

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Components	Type	Form of exposure	Exposure Limit Values	Source
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Product name: TEGO® Airex 920

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	TWA	Inhalable fraction and vapor.		2 mg/m3	ACGIH (03 2016)
	REL			10 mg/m3	NIOSH (2010)
1-Dodecanethiol	TWA		0.1 ppm		ACGIH (03 2016)
	Ceil_Tim e		0.5 ppm	4.1 mg/m3	NIOSH (2010)

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

Good general (mechanical) ventilation should be sufficient to control airborne levels.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:

Safety goggles

Skin Protection

Hand Protection:

Material: Nitrile rubber.
 Break-through time: 480 min
 Material: Natural rubber.
 Break-through time: 480 min
 Material: Chloroprene
 Break-through time: 480 min
 Material: Butyl rubber.
 Break-through time: 480 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:

Amber

Odor:

Mild

Odor Threshold:

not measured

Freezing point:

not measured

Boiling Point:

not measured

Product name: TEGO® Airex 920

Flammability:	not measured
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	> 212 °F/> 100 °C Method: DIN EN 22719
Auto-ignition temperature:	not measured
Decomposition Temperature:	not measured
pH:	not measured
Viscosity	
Dynamic viscosity:	1,000 - 1,500 mPa.s (77 °F/25 °C) Method: DIN 53018
Kinematic viscosity:	980 - 1471 mm ² /s (77 °F/25 °C), Method: calculated
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	< 1 g/l (77 °F/25 °C)
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	not measured
Density:	1.02 g/cm ³ (77 °F/25 °C) Method: DIN 51757
Bulk density:	No data available.
Relative vapor density:	not measured
Particle characteristics:	Not applicable.
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

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.

Product name: TEGO® Airex 920

Incompatible Materials:	Not known.
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.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50, Rat, > 2,000 mg/kg, OECD 423
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	LD 50, Rat, Female, Male, > 6,000 mg/kg, OECD 401
	LD 50, Rat, Male, > 5,000 mg/kg, OECD 401

Dermal

Product:	No data available. Not classified for acute toxicity based on available data.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 402
	LD 50, Rat, Male, > 2,000 mg/kg, OECD 402
	Not toxic after single exposure, No classification

Inhalation

Product:	No data available. Not classified for acute toxicity based on available data.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	Not toxic after single exposure, Not applicable, Vapour Not toxic after single exposure, No data available., Dust and mist Vapour, Not toxic after single exposure, No data due to skin-corrosive action Dust and mist, Not toxic after single exposure, No data due to skin-corrosive action

Repeated dose toxicity

Product:	No data available.
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Product name: TEGO® Airex 920

Skin Corrosion/Irritation

Product:	No data available.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	Not irritating, OECD 404, Rabbit
	Corrosive., OECD 404, Rabbit, > 1.01 - < 4 h

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	Not irritating, OECD 405, Rabbit, (analogy)
	Risk of serious damage to eyes., Rabbit

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	Patch test, Human, Not a skin sensitizer.
	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Strong skin sensitizer.

Carcinogenicity

Product:	No data available.
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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

Not classified based on available data.

In vivo

Not classified based on available data.

Reproductive toxicity**Effects on fertility**

Not classified based on available data.

Effects on fetal development

Components:	
1-Dodecanethiol	Species: Rat
	Teratogenicity: 0.06 mg/l
	Method: OECD 414

Reproductive toxicity - Assessment

Product:	Reproductive toxicity: No data available.
	Teratogenicity: No data available.

Product name: TEGO® Airex 920

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

Components:

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-

1-Dodecanethiol Not classified

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Toxicity to Aquatic Plants

Product: No data available.

Components:

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- EC 50, Desmodesmus subspicatus (green algae), 72 h, > 0.4 mg/l, Directive 67/548/EEC, Annex V, C.3., growth rate

1-Dodecanethiol EC 50, Algae (Pseudokirchneriella subcapitata), 72 h, 0.0145 mg/l, OECD 201

Toxicity to microorganisms

Product: No data available.

Components:

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- EC 50, activated sludge, 3 h, > 10,000 mg/l, OECD 209

1-Dodecanethiol NOEC, activated sludge, 3 h, 8.6 mg/l, OECD 209

Toxicity to soil dwelling organisms

Product: No data available.

Toxicity to terrestrial organisms

Product: No data available.

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- LC 50, Danio rerio, 96 h, > 0.57 mg/l/OECD 203

1-Dodecanethiol LC 50, Oncorhynchus mykiss, 96 h, > 100 mg/l
NOEC, Oncorhynchus mykiss, 96 h, 100 mg/l

Aquatic Invertebrates

Product: EC 50, Daphnia magna, 48 h, > 100 mg/l/OECD 202

Components:

Phenol, 2,6-bis(1,1-

EC 50, Daphnia magna, 48 h, 0.48 mg/l/OECD 202

Product name: TEGO® Airex 920

dimethylethyl)-4-methyl-1-Dodecanethiol	NOEC, Daphnia magna, 48 h, 0.15 mg/IOECD 202
	NOEC, Daphnia magna, 48 h, 0.14 mg/IOECD 202
	EC 50, Daphnia magna, 48 h, 1 - 10 mg/IOECD 202

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	NOEC, Oryzias latipes, 30 d, 0.053 mg/l, OECD 210
	Lowest Observed Effect Concentration, Oryzias latipes, 30 d, 0.14 mg/l, OECD 210

Aquatic Invertebrates

Product:	No data available.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	NOEC, Daphnia magna, 21 d, 0.316 mg/l, OECD 211
	NOEC, Daphnia magna, 21 d, 0.069 mg/l, OECD 211
	NOEC, Daphnia magna, 21 d, 0.096 mg/l, OECD 211

Persistence and Degradability

Biodegradation

Product:	5 %, 28 d, OECD 301 F, The product is not biodegradable.
Components:	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-1-Dodecanethiol	4.5 %, 28 d, OECD 301 C, The product is not biodegradable.
	0 %, 28 d, OECD 301 D, The product is not biodegradable., aerobic

BOD/COD Ratio

No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
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Partition Coefficient n-octanol / water (log Kow)

Product:	not measured
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Mobility in soil:

Product:	No data available.
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Results of PBT and vPvB assessment:

No data available.

Other adverse effects:

Additional ecological information

Product:	Do not allow to enter soil, waterways or waste water canal.
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Ozone-Depletion Potential

Product:	Regulation: No
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13. Disposal considerations

Disposal methods:

In accordance with local authority regulations, take to special waste incineration plant

Product name: TEGO® Airex 920

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**

Not regulated as a dangerous good

International Regulations**UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

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 and 725, 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):

Reportable Quantity not reasonably exceeded.

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

Not classified

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).

Product name: TEGO® Airex 920

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

TOLUENE

US State Regulations
US. California Proposition 65


WARNING: This product can expose you to chemicals including, Toluene which is [are] known to the State of California to cause birth defects or other reproductive harm.

 For more information go to www.P65Warnings.ca.gov.

Inventory Status:

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

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

Health	1
Flammability	1
Physical Hazards	0
PERSONAL PROTECTION	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

Version #:	2.0
Revision Date:	09/03/2025
Date of first report version:	03/13/2019

Abbreviations and acronyms:

ACGIH:	US. ACGIH Threshold Limit Values, as amended
NIOSH/GUIDE:	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
ACGIH / TWA:	Time Weighted Average (TWA):
NIOSH/GUIDE / Ceil_Time:	Ceiling Limit Value and Time Period (if specified):
NIOSH/GUIDE / REL:	Recommended exposure limit (REL):

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 -

Product name: TEGO® Airex 920

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 Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

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