

Issue Date 25-Feb-2015

Revision Date 16-Oct-2019

Version 3

1. IDENTIFICATION

Product identifier

Product Name Bostex 544

Other means of identification

Product Code BOSTEX 544

Synonyms Aqueous antioxidant emulsion

Recommended use of the chemical and restrictions on use

Recommended Use Latex Additive.

Uses advised against None known

Details of the supplier of the safety data sheet

Supplier Address

Akron Dispersions, Inc.
3291 Sawmill Road
P.O. Box 4195
Akron, OH 44321

Emergency telephone number

Company Phone Number 330-666-0045

Emergency Telephone Chemtrec 1-800-424-9300 (Within USA and Canada), (+1) 703-741-5970 (Outside USA and Canada)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Skin sensitization	Category 1A

Label elements

Emergency Overview

Warning

Hazard statements

Causes skin irritation

May cause an allergic skin reaction



Appearance Aqueous solution	Physical state Liquid	Odor Slight
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Hazards not otherwise classified (HNOC)

Not applicable

Other Information

May be harmful if swallowed Very toxic to aquatic life with long lasting effects Very toxic to aquatic life

Unknown acute toxicity 2.47800001% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance****Synonyms**

Aqueous antioxidant emulsion.

Chemical Name	CAS No	Weight-%	Trade Secret
Phenol, styrenated	61788-44-1	55 - 70	*
Phenol	108-95-2	0 - 0.8	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Non-hazardous ingredients are proprietary and comprise the balance of the formulation.

4. FIRST AID MEASURES**Description of first aid measures**

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.

Inhalation Remove to fresh air. If breathing is difficult seek medical attention.

Ingestion If on skin: Wash with plenty of water.

Most important symptoms and effects, both acute and delayed**Symptoms** May cause irritation to skin and eyes.**Indication of any immediate medical attention and special treatment needed****Note to physicians** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.**Specific hazards arising from the chemical**

May cause irritation to skin and eyes.

Hazardous combustion products Oxides of carbon, sulfur and sodium.

Explosion data

Sensitivity to Mechanical Impact No data available.

Sensitivity to Static Discharge No data available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Sweep, vacuum or shovel into appropriate container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, dry area. Protect from freezing.

Incompatible materials Acids. Bases. Strong oxidizing agents. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phenol 108-95-2	TWA: 5 ppm S*	TWA: 5 ppm TWA: 19 mg/m ³ (vacated) TWA: 5 ppm (vacated) TWA: 19 mg/m ³ (vacated) S* S*	IDLH: 250 ppm Ceiling: 15.6 ppm 15 min Ceiling: 60 mg/m ³ 15 min TWA: 5 ppm TWA: 19 mg/m ³

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear protective gloves and protective clothing.

Respiratory protection In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Slight
Appearance	Aqueous solution	Odor threshold	No data available
Color	Cream to off-white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.5 - 8.5	
Melting point/freezing point	0 °C	
Boiling point / boiling range	100 °C	
Flash point	No data available	
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Relative density	No data available	
Water solubility	Miscible in water	
Solubility in other solvents	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening point	No data available
Molecular weight	No data available
VOC Content (%)	No data available
Density	No data available
Bulk density	No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Acids. Bases. Strong oxidizing agents. Strong reducing agents.

Hazardous Decomposition Products

Oxides of carbon, sulfur and sodium.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin contact	Irritating to skin.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phenol, styrenated 61788-44-1	2100 - 6700 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	> 2.5 mg/L (Rat) 6 h
Phenol 108-95-2	= 317 mg/kg (Rat) = 340 mg/kg (Rat)	= 630 mg/kg (Rabbit)	= 316 mg/m ³ (Rat) 4 h

Information on toxicological effects

Symptoms No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin.
Sensitization May cause sensitization by skin contact.
Germ cell mutagenicity No data available.
Carcinogenicity No data available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Phenol 108-95-2	-	Group 3	-	-

Reproductive toxicity No data available.
STOT - single exposure No data available.
STOT - repeated exposure No data available.
Aspiration hazard No data available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	3,165.00
ATEmix (dermal)	11,179.00
ATEmix (inhalation-dust/mist)	78.65

12. ECOLOGICAL INFORMATION**Ecotoxicity**

65.802 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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Phenol 108-95-2	46.42: 96 h Pseudokirchneriella subcapitata mg/L EC50 187 - 279: 72 h Desmodesmus subspicatus mg/L EC50 static 0.0188 - 0.1044: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	11.9 - 50.5: 96 h Pimephales promelas mg/L LC50 flow-through 20.5 - 25.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Pimephales promelas mg/L LC50 23.4 - 36.6: 96 h Oryzias latipes mg/L LC50 static 13.5: 96 h Lepomis macrochirus mg/L LC50 static 34.09 - 47.64: 96 h Poecilia reticulata mg/L LC50 static 33.9 - 43.3: 96 h Oryzias latipes mg/L LC50 flow-through 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 11.9 - 25.3: 96 h Lepomis macrochirus mg/L LC50 flow-through 11.5: 96 h Lepomis macrochirus mg/L LC50 semi-static 27.8: 96 h Brachydanio rerio mg/L LC50 7.5 - 14: 96 h Oncorhynchus mykiss mg/L LC50 static 5.449 - 6.789: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 31: 96 h Poecilia reticulata mg/L LC50 semi-static 4.23 - 7.49: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.00175: 96 h Cyprinus carpio mg/L LC50 semi-static	4.24 - 10.7: 48 h Daphnia magna mg/L EC50 Static 10.2 - 15.5: 48 h Daphnia magna mg/L EC50
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Persistence and degradability

No data available.

Bioaccumulation

No data available.

Chemical Name	Partition coefficient
Phenol, styrenated 61788-44-1	4
Phenol 108-95-2	1.5

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Phenol 108-95-2	U188	Included in waste streams: F039, K001, K022, K087 Included in waste stream: K060	-	U188

Chemical Name	California Hazardous Waste Status
Phenol 108-95-2	Toxic Corrosive

14. TRANSPORT INFORMATION

DOT Not regulated

IATA

UN/ID no UN3082
Proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Phenol, Styrenated)
Hazard Class 9
Packing Group III

IMDG

UN/ID no UN3082
Proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S. (Phenol, Styrenated)
Hazard Class 9
Packing Group III
Marine pollutant This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a toxic chemical in excess of 1% of the mixture (0.1% if a listed carcinogen) and is not subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 - Threshold Values %
Phenol - 108-95-2	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phenol 108-95-2	1000 lb	X	X	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phenol 108-95-2	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phenol 108-95-2	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection B

Prepared By Kayley Fishel-Hayat

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Revision Note

(M)SDS sections updated 2 3 11

Disclaimer

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End of Safety Data Sheet