

Issue Date 25-Feb-2015

Revision Date 17-Jun-2016

Version 2

1. IDENTIFICATION

Product identifier
Product Name Bostex 552CF

Other means of identification
Product Code BOSTEX 552CF
UN/ID no. UN3082
Synonyms Aqueous accelerator dispersion

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)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Specific target organ toxicity (repeated exposure)	Category 2

Label elements
Emergency Overview
Warning
Hazard statements

Harmful if swallowed
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause damage to organs through prolonged or repeated exposure

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, eyes, and respiratory tract. Do not drink alcoholic beverages immediately before or after handling-may cause violent nausea and vomiting. May cause skin sensitization or allergic eczema.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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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

The product causes irritation of eyes, skin and mucous membranes.

Hazardous combustion products Oxides of carbon, nitrogen, sulfur and sodium. Hydrogen sulfide. Carbon sulfide.

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 Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

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

Incompatible materials Strong oxidizing agents. Strong acids. Copper. Nitrosating agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Thiram 137-26-8	TWA: 0.05 mg/m ³ inhalable fraction and vapor	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 100 mg/m ³ TWA: 5 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	Ammoniacal
Appearance	Aqueous solution	Odor threshold	No information available
Color	Cream to off-white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.5-10.5	
Melting point/freezing point	0 °C	
Boiling point / boiling range	100 °C	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	Miscible in water	
Solubility in other solvents	No information available	

Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

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

Strong oxidizing agents. Strong acids. Copper. Nitrosating agents.

Hazardous Decomposition Products

Oxides of carbon, nitrogen, sulfur and sodium. Hydrogen sulfide. Carbon sulfide.

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	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Thiram 137-26-8	= 560 mg/kg (Rat)	> 2000 mg/kg (Rat)	= 500 mg/m ³ (Rat) 4 h
Ammonium hydroxide 1336-21-6	= 350 mg/kg (Rat)	-	-

Information on toxicological effects**Symptoms** No information available.

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

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Thiram 137-26-8	-	Group 3	-	-

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

Numerical measures of toxicity - Product Information

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

ATEmix (oral) 1,157.00
 ATEmix (dermal) 4,152.00
 ATEmix (inhalation-dust/mist) 3.10

12. ECOLOGICAL INFORMATION**Ecotoxicity**

0.86462 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Thiram 137-26-8	0.1: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	0.00024 - 0.00028: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static 0.034 - 0.05005: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.0491 - 0.0611: 96 h <i>Pimephales promelas</i> nM LC50 semi-static 0.090 - 0.170: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 0.22 - 0.33: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 0.0003: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 0.048: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 0.13: 96 h <i>Lepomis macrochirus</i> mg/L LC50 0.27: 96 h <i>Pimephales promelas</i> mg/L LC50 1.2: 96 h <i>Leuciscus idus</i> mg/L LC50 static	0.21: 48 h <i>Daphnia magna</i> mg/L EC50
Ammonium hydroxide 1336-21-6	-	8.2: 96 h <i>Pimephales promelas</i> mg/L LC50	0.66: 48 h <i>Daphnia pulex</i> mg/L EC50 0.66: 48 h water flea mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Thiram 137-26-8	1.73

Other adverse effects

No information 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
Thiram 137-26-8	U244	-	-	U244

Chemical Name	California Hazardous Waste Status
Ammonium hydroxide 1336-21-6	Toxic Corrosive

14. TRANSPORT INFORMATION

DOT

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Thiram)
Hazard Class 9
Packing Group III
Reportable Quantity (RQ) 10 pounds

IATA

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Thiram)
Hazard Class 9
Packing Group III

IMDG

UN/ID no. UN3082
Proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Thiram)
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/NDSL** - 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 contains a chemical or chemicals which are 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 %
Thiram - 137-26-8	1.0
Ammonium hydroxide - 1336-21-6	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
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
Ammonium hydroxide 1336-21-6	1000 lb	-	-	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)
Thiram 137-26-8	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ
Ammonium hydroxide 1336-21-6	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Thiram 137-26-8	X	X	X
Ammonium hydroxide 1336-21-6	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 2	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection E

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Revision Note

SDS sections updated: 1, 14

Disclaimer

The information provided in this SDS was compiled from sources which we believe are accurate and reliable. However, this information is provided without warranty, expressed or implied, regarding its correctness. It is the user's responsibility to determine the suitability of any material for a specific purpose and adopt such safety precautions as may be necessary. We do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with the handling, storage, use, or disposal of this product.

End of Safety Data Sheet