

**Issue Date** 17-Mar-2015

**Revision Date** 02-Feb-2016

**Version** 4

## 1. IDENTIFICATION

**Product identifier**
**Product Name** Bostex 851

**Other means of identification**
**Product Code** BOSTEX 851  
**UN/ID no.** UN3082  
**Synonyms** Aqueous masterbatch 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
Skin sensitization	Category 1
Reproductive toxicity	Category 2

**Label elements**
**Emergency Overview**
**Warning**
**Hazard statements**

Harmful if swallowed  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child


**Appearance** Aqueous solution **Physical state** Liquid **Odor** Ammoniacal

**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

**Precautionary Statements - Response**

- IF exposed or concerned: Get medical advice/attention
- Specific treatment (see .? on this label)
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Causes mild skin irritation Toxic to aquatic life with long lasting effects Toxic to aquatic life

Unknown acute toxicity 21.39385% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

**Synonyms** Aqueous masterbatch dispersion.

Chemical Name	CAS No.	Weight-%	Trade Secret
Zinc oxide	1314-13-2	3 - 10	*
Zinc diethyldithiocarbamate	14324-55-1	3 - 10	*
1,3-Diphenylguanidine	102-06-7	3 - 10	*
Ammonium hydroxide	1336-21-6	0 - 0.1	*
Formaldehyde	50-00-0	0 - 0.003	*
Quinoline	91-22-5	0 - 0.003	*
Naphthalene	91-20-3	0 - 0.0009	*
Cadmium and compounds (as Cd)	7440-43-9	0 - 0.0005	*
Lead	7439-92-1	0 - 0.0001	*

\*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

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult seek medical attention.
<b>Ingestion</b>	If on skin: Wash with plenty of water.

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

<b>Symptoms</b>	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.
-----------------	--

##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	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

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

**Hazardous combustion products** Oxides of carbon, nitrogen, zinc, sodium, phosphorus, and sulfur. Hydrogen cyanide. Hydrogen sulfide. Carbon disulfide. Phenolic compounds. Dibutylamine.

##### 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

<b>Personal precautions</b>	Ensure adequate ventilation, especially in confined areas.
-----------------------------	--

##### Environmental precautions

<b>Environmental precautions</b>	See Section 12 for additional ecological information.
----------------------------------	---

##### Methods and material for containment and cleaning up

<b>Methods for containment</b>	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. Strong bases. Hydrocarbons. Magnesium. Nitrosating agents. May corrode steel. Corrosive to aluminum, copper and copper alloys.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc oxide 1314-13-2	STEL: 10 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> respirable fraction	TWA: 5 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> fume (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) STEL: 10 mg/m <sup>3</sup> fume (vacated)	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust TWA: 5 mg/m <sup>3</sup> dust and fume STEL: 10 mg/m <sup>3</sup> fume
Formaldehyde 50-00-0	Ceiling: 0.3 ppm	TWA: 0.75 ppm (vacated) TWA: 3 ppm unless specified in 1910.1048 (vacated) STEL: 10 ppm 30 min unless specified in 1910.1048 (vacated) Ceiling: 5 ppm unless specified in 1910.1048 STEL: 2 ppm see 29 CFR 1910.1048	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm
Naphthalene 91-20-3	TWA: 10 ppm S*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m <sup>3</sup> (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m <sup>3</sup> (vacated)	IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>
Cadmium and compounds (as Cd) 7440-43-9	TWA: 0.01 mg/m <sup>3</sup> TWA: 0.002 mg/m <sup>3</sup> respirable fraction TWA: 0.01 mg/m <sup>3</sup> Cd TWA: 0.002 mg/m <sup>3</sup> Cd respirable fraction	TWA: 0.1 mg/m <sup>3</sup> fume applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect TWA: 0.2 mg/m <sup>3</sup> dust applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect TWA: 5 µg/m <sup>3</sup> (vacated) STEL: 0.3 ppm fume Ceiling: 0.3 mg/m <sup>3</sup> fume applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect Ceiling: 0.6 mg/m <sup>3</sup> dust applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect	IDLH: 9 mg/m <sup>3</sup> dust IDLH: 9 mg/m <sup>3</sup> Cd dust and fume
Lead	TWA: 0.05 mg/m <sup>3</sup> TWA: 0.05 mg/m <sup>3</sup>	TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup> Pb	IDLH: 100 mg/m <sup>3</sup> IDLH: 100 mg/m <sup>3</sup>

7439-92-1	Pb		Pb TWA: 0.050 mg/m <sup>3</sup> TWA: 0.050 mg/m <sup>3</sup> Pb
-----------	----	--	---

**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**

<b>Physical state</b>	Liquid	<b>Odor</b>	Ammoniacal
<b>Appearance</b>	Aqueous solution	<b>Odor threshold</b>	No information available
<b>Color</b>	Light beige to yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks</u> • <u>Method</u>
pH	9-11	
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**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	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 bases. Hydrocarbons. Magnesium. Nitrosating agents. May corrode steel. Corrosive to aluminum, copper and copper alloys.

**Hazardous Decomposition Products**

Oxides of carbon, nitrogen, zinc, sodium, phosphorus, and sulfur. Hydrogen cyanide. Hydrogen sulfide. Carbon disulfide. Phenolic compounds. Dibutylamine.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc oxide 1314-13-2	> 5000 mg/kg ( Rat )	-	-
Zinc diethyldithiocarbamate 14324-55-1	= 700 mg/kg ( Rat )	-	-
1,3-Diphenylguanidine 102-06-7	= 323 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Ammonium hydroxide 1336-21-6	= 350 mg/kg ( Rat )	-	-
Formaldehyde 50-00-0	= 100 mg/kg ( Rat )	= 270 mg/kg ( Rabbit )	= 0.578 mg/L ( Rat ) 4 h
Quinoline 91-22-5	= 331 mg/kg ( Rat )	= 540 µL/kg ( Rabbit )	-
Naphthalene 91-20-3	= 490 mg/kg ( Rat ) = 1110 mg/kg ( Rat )	> 20 g/kg ( Rabbit ) = 1120 mg/kg ( Rabbit )	> 340 mg/m <sup>3</sup> ( Rat ) 1 h
Cadmium and compounds (as Cd) 7440-43-9	= 1140 mg/kg ( Rat )	-	= 25 mg/m <sup>3</sup> ( Rat ) 30 min

**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
Zinc oxide 1314-13-2	-	-	Reasonably Anticipated	X
Formaldehyde	A2	Group 1	Known	X

50-00-0				
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	X
Cadmium and compounds (as Cd) 7440-43-9	A2	Group 1	Known	X
Lead 7439-92-1	A3	Group 2A	Reasonably Anticipated	X

**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) 1,093.00  
 ATEmix (dermal) 11,908.67

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

21.17905 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
1,3-Diphenylguanidine 102-06-7	2.6: 72 h Desmodesmus subspicatus mg/L EC50 2: 72 h Pseudokirchneriella subcapitata mg/L EC50 1.7: 96 h Pseudokirchneriella subcapitata mg/L EC50	11: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Lepomis macrochirus mg/L LC50 static	17: 48 h Daphnia magna mg/L EC50
Ammonium hydroxide 1336-21-6	-	8.2: 96 h Pimephales promelas mg/L LC50	0.66: 48 h Daphnia pulex mg/L EC50 0.66: 48 h water flea mg/L EC50
Formaldehyde 50-00-0	-	0.032 - 0.226: 96 h Oncorhynchus mykiss mL/L LC50 flow-through 100 - 136: 96 h Oncorhynchus mykiss mg/L LC50 static 22.6 - 25.7: 96 h Pimephales promelas mg/L LC50 flow-through 23.2 - 29.7: 96 h Pimephales promelas mg/L LC50 static 1510: 96 h Lepomis macrochirus µg/L LC50 static 41: 96 h Brachydanio rerio mg/L LC50 static	11.3 - 18: 48 h Daphnia magna mg/L EC50 Static 2: 48 h Daphnia magna mg/L LC50
Quinoline 91-22-5	84: 72 h Desmodesmus subspicatus mg/L EC50 static 90: 96 h Desmodesmus subspicatus mg/L EC50 static 51: 4 h Pseudokirchneriella subcapitata mg/L EC50	40: 96 h Poecilia reticulata mg/L LC50 static 46: 96 h Pimephales promelas mg/L LC50 static 77.8: 96 h Pimephales promelas mg/L LC50 flow-through	45.9 - 57.3: 48 h Daphnia magna mg/L EC50 Static 28.5: 48 h Daphnia magna mg/L EC50
Naphthalene 91-20-3	0.4: 72 h Skeletonema costatum mg/L EC50	0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.99: 96 h Pimephales promelas mg/L LC50 static 31.0265: 96 h Lepomis macrochirus mg/L LC50 static	1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static 1.96: 48 h Daphnia magna mg/L EC50 Flow through 2.16: 48 h Daphnia magna mg/L LC50
Cadmium and compounds (as Cd) 7440-43-9	-	0.0004 - 0.003: 96 h Pimephales promelas mg/L LC50 0.002: 96 h Cyprinus carpio mg/L LC50 0.003: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.006: 96 h Oncorhynchus mykiss mg/L LC50	0.0244: 48 h Daphnia magna mg/L EC50 Static

		static 0.016: 96 h Oryzias latipes mg/L LC50 0.24: 96 h Cyprinus carpio mg/L LC50 static 21.1: 96 h Lepomis macrochirus mg/L LC50 flow-through 4.26: 96 h Cyprinus carpio mg/L LC50 semi-static	
Lead 7439-92-1	-	0.44: 96 h Cyprinus carpio mg/L LC50 semi-static 1.17: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.32: 96 h Oncorhynchus mykiss mg/L LC50 static	600: 48 h water flea µg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
1,3-Diphenylguanidine 102-06-7	1.69
Formaldehyde 50-00-0	0.35
Quinoline 91-22-5	1.88 - 2.06
Naphthalene 91-20-3	3.3

**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
Formaldehyde 50-00-0	U122	Included in waste streams: K009, K010, K038, K040, K156, K157	-	U122
Naphthalene 91-20-3	U165	Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145	-	U165
Cadmium and compounds (as Cd) 7440-43-9	-	Included in waste streams: F006, F039, K061, K069, K100	1.0 mg/L regulatory level	-
Lead 7439-92-1	-	Included in waste streams: F035, F037, F038, F039, K002, K003, K005, K046, K048, K049, K051, K052, K061, K062, K069, K086, K100, K176	5.0 mg/L regulatory level	-

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3	-	-	Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from	-



			the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	
--	--	--	--	--

Chemical Name	California Hazardous Waste Status
Zinc oxide 1314-13-2	Toxic
Zinc diethyldithiocarbamate 14324-55-1	Toxic
Ammonium hydroxide 1336-21-6	Toxic Corrosive
Formaldehyde 50-00-0	Toxic Ignitable
Naphthalene 91-20-3	Toxic
Lead 7439-92-1	Toxic

**14. TRANSPORT INFORMATION**

**DOT**

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

**IATA**

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

**IMDG**

**UN/ID no.** UN3082  
**Proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Zinc Oxide, Zinc Diethyldithiocarbamate)  
**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 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 %
Zinc oxide - 1314-13-2	1.0
Zinc diethyldithiocarbamate - 14324-55-1	1.0
Ammonium hydroxide - 1336-21-6	1.0
Formaldehyde - 50-00-0	0.1
Quinoline - 91-22-5	1.0
Naphthalene - 91-20-3	0.1
Cadmium and compounds (as Cd) - 7440-43-9	0.1
Lead - 7439-92-1	0.1

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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
Zinc oxide 1314-13-2	-	X	-	-
Zinc diethyldithiocarbamate 14324-55-1	-	X	-	-
Ammonium hydroxide 1336-21-6	1000 lb	-	-	X
Formaldehyde 50-00-0	100 lb	-	-	X
Quinoline 91-22-5	5000 lb	-	-	X
Naphthalene 91-20-3	100 lb	X	X	X
Cadmium and compounds (as Cd) 7440-43-9	-	X	X	-
Lead 7439-92-1	-	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)
Ammonium hydroxide 1336-21-6	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Formaldehyde	100 lb	100 lb	RQ 100 lb final RQ

50-00-0			RQ 45.4 kg final RQ
Quinoline 91-22-5	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Naphthalene 91-20-3	100 lb 1 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Cadmium and compounds (as Cd) 7440-43-9	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ
Lead 7439-92-1	10 lb	-	RQ 10 lb final RQ RQ 4.54 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

Chemical Name	California Proposition 65
Formaldehyde - 50-00-0	Carcinogen
Quinoline - 91-22-5	Carcinogen
Naphthalene - 91-20-3	Carcinogen
Cadmium and compounds (as Cd) - 7440-43-9	Carcinogen Developmental Male Reproductive
Lead - 7439-92-1	Carcinogen Developmental Female Reproductive Male Reproductive

**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
Zinc oxide 1314-13-2	X	X	X
Zinc diethyldithiocarbamate 14324-55-1	X	-	X
Ammonium hydroxide 1336-21-6	X	X	X
Formaldehyde 50-00-0	X	X	X
Quinoline 91-22-5	X	X	X
Naphthalene 91-20-3	X	X	X
Cadmium and compounds (as Cd) 7440-43-9	X	X	X
Lead 7439-92-1	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**

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

Prepared By Diane M. Hunsicker  
 Issue Date 17-Mar-2015  
 Revision Date 02-Feb-2016  
 Revision Note

SDS sections updated: 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**