SAFETY DATA SHEET

Issuing Date 05-Sep-2017

Revision Date 04-Sep-2017

Revision Number 1

NGHS / English



The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publically available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in this SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

1. IDENTIFICATION

Product identifier

Product Name LR03 LR6 LR14 LR20 LR61 6LR61 LR1 LR8D425

Other means of identification

Product Code(s) 1416199

Recommended use of the chemical and restrictions on use

Recommended Use Alkaline battery

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification ChangZhou Anyida Power Technology Co., Ltd

Address ChangZhou Xinbei District TianShan Road No. 60

Changzhou Jiangsu 213000 CN

Telephone Phone:0519-83270441

E-mail j10732@163.com

Emergency telephone number

Company Emergency Phone

Number

0519-83270441

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1



This is a battery. In case of rupture: the above hazards exist.

Appearance No information available

Physical state Solid

Odor No information available

GHS Label elements, including precautionary statements

Danger

Hazard statements

Harmful if swallowed Harmful if inhaled

Causes severe skin burns and eye damage



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Do not breathe dusts or mists

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

Specific treatment (see supplemental first aid instructions on this label)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

Rinse mouth

Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Very toxic to aquatic life with long lasting effects.

Unknown acute toxicity 92

92.39 % of the mixture consists of ingredient(s) of unknown toxicity

29.68 % of the mixture consists of ingredient(s) of unknown acute oral toxicity



92.39 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

61.13 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

61.13 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

61.13 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS-No	Percent	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Manganese dioxide	1313-13-9	31.26	-	-
Iron	7439-89-6	25.8	-	-
Zinc	7440-66-6	12.48	-	-
Potassium hydroxide	1310-58-3	5.65	-	-
Copper	7440-50-8	3.21	-	-
Polyvinyl chloride	9002-86-2	1.99	-	-
Graphite	7782-42-5	1.91	-	-
Zinc oxide	1314-13-2	0.36	-	-

4. FIRST AID MEASURES

First aid measures

General advice First aid is upon rupture of sealed battery. Show this safety data sheet to the doctor in

attendance. Immediate medical attention is required.

Inhalation Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical

attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical

advice/attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present

and easy to do. Continue rinsing. Get immediate medical advice/attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Get immediate medical advice/attention.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person. Get immediate medical

advice/attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as

required. See section 8 for more information.



Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood

pressure may occur with moist rales, frothy sputum, and high pulse pressure.

5. FIRE-FIGHTING MEASURES

surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the The product causes burns of eyes, skin a

chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate

ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid generation of dust. Do not

breathe dust.

Other Information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling



Advice on safe handling

In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from moisture. Store locked up. Store away from other materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Manganese dioxide	TWA: 0.02 mg/m³ Mn respirable	(vacated) Ceiling: 5 mg/m ³	IDLH: 500 mg/m³ Mn
1313-13-9	particulate matter	Ceiling: 5 mg/m ³ Mn	TWA: 1 mg/m³ Mn
	TWA: 0.1 mg/m ³ Mn inhalable		STEL: 3 mg/m³ Mn
	particulate matter		
Zinc	STEL: 10 mg/m ³ respirable	TWA: 5 mg/m³ fume	IDLH: 500 mg/m ³
7440-66-6	fraction	TWA: 15 mg/m³ total dust	Ceiling: 15 mg/m³ dust
	TWA: 2 mg/m³ respirable	TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ dust and fume
Data alives hadravida	fraction	fraction	STEL: 10 mg/m³ fume
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m ³	(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³
Copper	TWA: 0.2 mg/m³ fume TWA: 1	TWA: 0.1 mg/m ³ fume	IDLH: 100 mg/m³ dust, fume
7440-50-8	mg/m³ Cu dust and mist	TWA: 1 mg/m ³ dust and mist	and mist IDLH: 100 mg/m³ Cu
		(vacated) TWA: 0.1 mg/m³ Cu	dust and mist
		dust, fume, mist	TWA: 1 mg/m³ dust and mist
			TWA: 0.1 mg/m³ fume TWA: 1
Dobasinul oblorido	TMA: 1 mg/m³ rooniroble		mg/m ³ Cu dust and mist
Polyvinyl chloride 9002-86-2	TWA: 1 mg/m³ respirable particulate matter	-	
Graphite	TWA: 2 mg/m³ respirable	TWA: 15 mg/m³ total dust	IDLH: 1250 mg/m ³
7782-42-5	particulate matter all forms	synthetic	TWA: 2.5 mg/m³ respirable
1702-42-3	except graphite fibers	TWA: 5 mg/m³ respirable	dust
	except graptile libers	fraction synthetic	dust
		(vacated) TWA: 2.5 mg/m ³	
		respirable dust natural	
		(vacated) TWA: 10 mg/m³ total	
		dust synthetic	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction synthetic	
		TWA: 15 mppcf natural	
Zinc oxide	STEL: 10 mg/m³ respirable	TWA: 5 mg/m ³ fume	IDLH: 500 mg/m ³
1314-13-2	particulate matter	TWA: 15 mg/m³ total dust	Ceiling: 15 mg/m³ dust
	TWA: 2 mg/m³ respirable	TWA: 5 mg/m³ respirable	TWA: 5 mg/m³ dust and fume
	particulate matter	fraction	STEL: 10 mg/m³ fume
		(vacated) TWA: 5 mg/m³ fume	
		(vacated) TWA: 10 mg/m³ total	
		dust	
		(vacated) TWA: 5 mg/m ³	



			irable fraction) STEL: 10 mg/m ³ fume	
Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Manganese dioxide 1313-13-9	TWA: 0.2 mg/m ³	TWA: 0.2 mg/m ³	TWA: 0.02 mg/m ³ TWA: 0.1 mg/m ³	TWA: 0.2 mg/m ³
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³	CEV: 2 mg/m ³	Ceiling: 2 mg/m ³
Copper 7440-50-8	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³
Polyvinyl chloride 9002-86-2		TWA: 1 mg/m ³	TWA: 1 mg/m ³	
Graphite 7782-42-5	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³
Zinc oxide 1314-13-2	TWA: 2 mg/m³ STEL: 10 mg/m³	TWA: 2 mg/m³ STEL: 10 mg/m³	TWA: 2 mg/m³ STEL: 10 mg/m³	TWA: 10 mg/m³ TWA: 5 mg/m³ STEL: 10 mg/m³

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls

Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Face protection shield.

Hand protection Wear suitable gloves. Impervious gloves.

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Skin and body protection

No protective equipment is needed under normal use conditions. If exposure limits are Respiratory protection

exceeded or irritation is experienced, ventilation and evacuation may be required.

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with **General hygiene considerations**

skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid breathing

dust/fume/gas/mist/vapors/spray.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state Solid

Appearance No information available Odor No information available Color No information available **Odor Threshold** No information available

Property Values Remarks Method

No data available None known Hq



No data available None known Melting / freezing point Boiling point / boiling range No data available None known Flash Point No data available None known **Evaporation Rate** No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability limit No data available Lower flammability limit No data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone knownRelative densityNo data availableNone knownWater SolubilityInsoluble in water

Solubility(ies) No data available None known Partition coefficient: n-octanol/waterNo data available None known No data available None known **Autoignition temperature Decomposition temperature** No data available None known No data available Kinematic viscosity None known **Dynamic viscosity** No data available None known

Other Information

Explosive properties No information available **Oxidizing properties** No information available **Softening Point** No information available Molecular Weight No information available **VOC Content (%)** No information available **Liquid Density** No information available **Bulk Density** No information available **Particle Size** No information available **Particle Size Distribution** No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to avoid Exposure to air or moisture over prolonged periods. Excessive heat.

Incompatible materials Acids. Bases. Oxidizing agent.

Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

In case of rupture:

Inhalation Specific test data for the substance or mixture is not available. Corrosive by inhalation.

(based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with



tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs.

Pulmonary edema can be fatal. Harmful by inhalation.

Eye contact Specific test data for the substance or mixture is not available. Causes burns. (based on

components). Corrosive to the eyes and may cause severe damage including blindness.

Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact Specific test data for the substance or mixture is not available. Corrosive. (based on

components). Causes burns.

Ingestion Specific test data for the substance or mixture is not available. Causes burns. (based on

components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung

damage if swallowed. May be fatal if swallowed and enters airways.

Information on toxicological effects

Symptoms Redness. Burning. May cause blindness. Coughing and/ or wheezing.

Numerical measures of toxicity

Acute Toxicity

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

ATEmix (oral) 561.00 mg/kg
ATEmix (inhalation-gas) 5,595.00 mg/L
ATEmix (inhalation-dust/mist) 1.87 mg/L
ATEmix (inhalation-vapor) 13.68 mg/L

Unknown acute toxicity

92.39 % of the mixture consists of ingredient(s) of unknown toxicity

29.68 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

92.39 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

61.13 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

61.13 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

61.13 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Manganese dioxide	= 9000 mg/kg (Rat)	-	-
Iron	= 984 mg/kg (Rat)	-	-
Potassium hydroxide	= 284 mg/kg (Rat)	-	-
Zinc oxide	> 5000 mg/kg (Rat)	-	-

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes burns.

Serious eye damage/eye irritation Classification based on data available for ingredients. Risk of serious damage to eyes.

Causes burns.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.



The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Polyvinyl chloride 9002-86-2	-	Group 3	-	-

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to

DOT

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to	Daphnia Magna (Water
			Microorganisms	Flea)
Iron	-	96h LC50: = 13.6 mg/L	-	-
		(Morone saxatilis)		
Zinc	96h EC50: 0.11 - 0.271	96h LC50: = 3.5 mg/L	-	48h EC50: 0.139 - 0.908
	mg/L	(Lepomis macrochirus)		mg/L
	(Pseudokirchneriella	96h LC50: = 7.8 mg/L		
	subcapitata) 72h EC50:	(Cyprinus carpio) 96h		
	0.09 - 0.125 mg/L	LC50: = 0.24 mg/L		
	(Pseudokirchneriella	(Oncorhynchus mykiss)		
	subcapitata)	96h LC50: = 0.59 mg/L		
		(Oncorhynchus mykiss)		
		96h LC50: = 0.41 mg/L		
		(Oncorhynchus mykiss)		
		96h LC50: 0.211 - 0.269		
		mg/L (Pimephales		
		promelas) 96h LC50: =		
		2.66 mg/L (Pimephales		
		promelas) 96h LC50: =		
		30 mg/L (Cyprinus		
		carpio) 96h LC50: = 0.45		
		mg/L (Cyprinus carpio)		
		96h LC50: 2.16 - 3.05		
		mg/L (Pimephales		
		promelas)		
Potassium hydroxide	-	96h LC50: = 80 mg/L	-	-
		(Gambusia affinis)		
Copper	96h EC50: 0.031 - 0.054		-	48h EC50: = 0.03 mg/L
	mg/L	0.0156 mg/L (Pimephales		
	(Pseudokirchneriella	promelas) 96h LC50: =		
	subcapitata) 72h EC50:	1.25 mg/L (Lepomis		
	0.0426 - 0.0535 mg/L	macrochirus) 96h LC50:		
	(Pseudokirchneriella	= 0.052 mg/L		



aubaanitata)	(On carby maby a myddiae)	
subcapitata)	(Oncorhynchus mykiss)	
	96h LC50: = 0.2 mg/L	
	(Pimephales promelas)	
	96h LC50: < 0.3 mg/L	
	(Pimephales promelas)	
	96h LC50: = 0.112 mg/L	
	(Poecilia reticulata) 96h	
	LC50: = 0.3 mg/L	
	(Cyprinus carpio) 96h	
	LC50: = 0.8 mg/L	
	(Cyprinus carpio)	

Persistence and Degradability

No information available.

Bioaccumulation

Chemical name	Log Pow
Manganese dioxide	<0
Potassium hydroxide	0.83

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

California Hazardous Waste Codes 141

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Zinc	Ignitable powder Toxic
7440-66-6	·
Potassium hydroxide	Toxic
1310-58-3	Corrosive
Copper	Toxic
7440-50-8	
Zinc oxide	Toxic
1314-13-2	

14. TRANSPORT INFORMATION

NOT REGULATED DOT **NON-REGULATED Proper Shipping Name** N/A

Hazard Class

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to



DOT

TDG Not regulated

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to

TDG.

MEX Not regulated

ICAO Not regulated

 IATA
 Not regulated

 Proper Shipping Name
 NON REGULATED

Hazard Class N/A

IMDG/IMO Not regulated

Hazard Class N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

TSCA

DSL/NDSL

Contact supplier for inventory compliance status.

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

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	CAS-No	Percent	SARA 313 - Threshold Values %
Manganese dioxide - 1313-13-9	1313-13-9	31.26	1.0
Zinc - 7440-66-6	7440-66-6	12.48	1.0
Copper - 7440-50-8	7440-50-8	3.21	1.0
Zinc oxide - 1314-13-2	1314-13-2	0.36	1.0

Acute Health Hazard No
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
Zinc 7440-66-6		X	Х	
Potassium hydroxide 1310-58-3	1000 lb			X
Copper 7440-50-8		Х	Х	
Zinc oxide 1314-13-2		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	Extremely Hazardous Substances RQs	RQ	
Zinc	1000 lb		RQ 454 kg final RQ	
7440-66-6			RQ 1000 lb final RQ	
Potassium hydroxide	1000 lb		RQ 1000 lb final RQ	
1310-58-3			RQ 454 kg final RQ	
Copper	5000 lb		RQ 5000 lb final RQ	
7440-50-8			RQ 2270 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

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

Chemical name	New Jersey	Massachusett	Pennsylvania	Rhode Island	Illinois
		S			
Manganese dioxide 1313-13-9	Х		Х	Х	X
Zinc 7440-66-6	Х	Х	Х	Х	
Potassium hydroxide	X	Х	Х	X	



1310-58-3					
Copper 7440-50-8	Х	Х	Х	Х	Х
Polyvinyl chloride 9002-86-2	Х				
Graphite 7782-42-5	Х	Х	Х		
Zinc oxide 1314-13-2	Х	Х	Х	Х	

16. OTHER INFORMATION

NFPA Health hazards 1 Flammability 0 Instability 0 Physical and Chemical

Properties -

HMIS Health hazards 0 Flammability 0 Physical hazards 0 Personal Protection X

Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Issuing Date 05-Sep-2017

Revision Date 04-Sep-2017

Revision Note No information available

Disclaimer

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

End of Safety Data Sheet

