## SAFETY DATA SHEET

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

## **Product identifier**

Product Name Lithium-ion Battery

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use LITHIUM ION BATTERIES

Uses advised against No information available

Details of the supplier of the safety data sheet

**Supplier Name** JiangSu Tenpower Lithium Co.,Ltd.

Supplier Address Nangang Rd, Emerging industries Zone, Jinfeng Town, Zhangjiagang

City, Jiangsu, 215636

China

**Supplier Phone Number** Phone:+860512-80159851

Fax: +860512-80159851

Contact Phone+860512-80159851

Supplier Email <a href="mailto:haiyan.ai@tenpower.cc">haiyan.ai@tenpower.cc</a>

Emergency telephone number

## 2. HAZARDS IDENTIFICATION

## Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) This product is an article which is a sealed battery and as such does not require an MSDS per the OSHA hazard communication standard unless ruptured. The hazards indicated are for a ruptured battery.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Acute toxicity(Oral)	Category 4
Acute Inhalation(Gases)	Category 4
Acute Inhalation(Dusts/Mists)	Category 4
Reproductive Toxicity	Category 1B

#### **GHS** Label elements, including precautionary statements

#### **Emergency Overview**

**Danger** 

## Signal word

#### **Hazard Statements**

Cause skin irritation

Harmful in contact with skin

Harmful if swallowed

Harmful inhaled

Causes serious eye irritation

May cause an allergic skin reaction

May cause cancer

May damage fertility or the unborn child

Cause damage to organs through prolonged or repeated exposure



This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold. Intended use of the product should not result in exposure to the chemical substance.

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

Appearance Silver Physical State Solid Odor Odorless

## **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

Use only outdoors or in a well-ventilated area

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

Wear eye/face protection

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

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

#### Eves

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

#### Skin

IF ON SKIN: Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or rash occurs: Get medical advice/attention

#### **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

#### **Unknown Toxicity**

## Other information

Very toxic to aquatic life with long lasting effects

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

#### **Interactions with Other Chemicals**

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Lithium Cobalt Oxide	12190-79-3	37.9
Cobalt(II) oxide	1307-96-6	7.4
Manganese dioxide	1313-13-9	15.4
Nickel oxide	1313-99-1	3.3
Carbon	7440-44-0	13
Polyvinylidene Fluoride (PVDF)	24937-79-9	1.6
Aluminum foil	7429-90-5	4
Copper	7440-50-8	8
Aluminum	7429-90-5	6
Ethylene carbonate	96-49-1	1.2
Diethyl carbonate	105-58-8	1.1
Dimethyl carbonate	616-38-6	1.1

## 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

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least

15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation

develops and persists. Do not rub affected area

**Skin Contact** Wash off immediately with soap and plenty of water for at least 15

minutes. In the case of skin irritation or allergic reactions see a physician.

May cause an allergic skin reaction.

**Inhalation** Remove to fresh air. If symptoms persist, call a physician. Get medical

attention immediately if symptoms occur.

**Ingestion** Do NOT induce vomiting. Rinse mouth immediately and drink plenty of

water. Never give anything by mouth to an unconscious person. Call a

equipment as required. Wear personal protective clothing (see section 8)

physician.

Self-protection of the first

aider

Avoid contact with skin, eyes or clothing. Use personal protective

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

**Most Important Symptoms** 

and Effects

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

Itching. Rashes. Hives.

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

Notes to Physician May cause sensitization of susceptible persons. 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**

CAUTION: Use of water spray when fighting fire may be inefficient

#### Specific Hazards Arising from the Chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

#### **Hazardous Combustion Products**

Carbon Oxides

**Explosion Data** 

Sensitivity to Mechanical Impact No. Sensitivity to Static Discharge No.

#### 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 Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use

personal. protective equipment as required. Evacuate personnel to safe

areas.

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

**Environmental Precautions** 

**Environmental Precautions** Refer to protective measures listed in Sections 7 and 8.

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

Methods for ContainmentPrevent further leakage or spillage if safe to do so.Methods for cleaning upPick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

## Precautions for safe handling

Handling In case of rupture. Use personal protection equipment. Avoid contact with

skin, eyes or clothing.

## Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products** Strong acids. Strong oxidizing agents. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### <u>Control parameters</u> Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Lithium Cobalt Oxide	TWA: 0.02 mg/m <sup>3</sup>		
12190-79-3			
Cobalt(II) oxide	TWA: 0.02 mg/m <sup>3</sup> Co		

1307-96-6			
Manganese dioxide 1313-13-9	TWA: 0.02 mg/m <sup>3</sup> Mn TWA: 0.1 mg/m <sup>3</sup> Mn	(vacated) Ceiling: 5 mg/m <sup>3</sup> Ceiling: 5 mg/m <sup>3</sup> Mn	IDLH: 500 mg/m³ Mn TWA: 1 mg/m³ Mn STEL: 3 mg/m³ Mn
Nickel oxide 1313-99-1	TWA: 1.5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> TWA: 0.015 mg/m <sup>3</sup>
Copper 7440-50-8	TWA: 0.2 mg/m <sup>3</sup> fume TWA: 1 mg/ mg/m <sup>3</sup> Cu dust and mist	TWA: 0.1 mg/m³ fume TWA: 1 mg/m³ dust and mist (vacated) TWA: 0.1 mg/m³ Cu dust, fume, mist	IDLH: 100 mg/m³ dust, fume and mist TWA: 1 mg/m³ dust and mist TWA: 0.1 mg/m³ fume
Aluminum foil 7429-90-5	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ Al Aluminum	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Aluminum 7429-90-5	TWA: 1 mg/m <sup>3</sup> respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ Al Aluminum	TWA: 10 mg/m <sup>3</sup> <sub>3</sub> total dust TWA: 5 mg/m <sup>3</sup> respirable dust

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health

Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

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 Measures Showers

Eyewash stations Ventilation systems

#### Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur:. Wear safety glasses with side shields (or

goggles). None required for consumer use.

Skin and Body Protection Wear protective gloves and protective clothing. Long sleeved clothing.

Impervious gloves

**Respiratory Protection**No protective equipment is needed under normal use conditions. If

exposure limits are exceeded or irritation is experienced, ventilation and

evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

Do not eat, drink or smoke when using this product. Take off

contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **Physical and Chemical Properties**

Physical StateSolidAppearanceSilverOdorOdorless

Color No information available Odor Threshold No information available

**Property Values** Remarks/ Method рH No data available None known 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

Upper flammability limitNo data availableLower flammability limitNo data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone knownSpecific GravityNo data availableNone knownWater SolubilityNo data availableNone knownSolubility in other solventsNo data availableNone known

Partition coefficient: n-octanol/water

Autoignition temperature

Decomposition temperature

No data available

None known

None known

No data available

None known

No data available

None known

No data available

None known

Explosive properties

Oxidizing Properties

No data available

No data available

## **Other Information**

Softening Point
VOC Content (%)
Particle Size
No data available
No data available
No data available

**Particle Size Distribution** 

## 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

## **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

## **Hazardous Polymerization**

Hazardous polymerization does not occur.

#### **Conditions to avoid**

None known based on information supplied.

#### **Incompatible materials**

Strong acids. Strong oxidizing agents. Strong bases.

## **Hazardous Decomposition Products**

## 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).

**Eve Contact** Specific test data for the substance or mixture is not available.

Expected to be and irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye

irritation.

**Skin Contact** Specific test data for the substance or mixture is not available.

Expected to be an irritant based on components. Irritating to skin.

Prolonged contact may cause redness and irritation.

**Ingestion** Specific test data for the substance or mixture is not available.

Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May

be harmful if swallowed. (based on components).

#### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nickel oxide	> 9000 mg/kg ( Rat )	-	-
1313-99-1			
Manganese dioxide 1313-13-9	= 9000 mg/kg ( Rat )	-	-
1313-13-9			

## Information on toxicological effects

Symptoms Erythema (skin redness). May cause redness and tearing of the eyes.

Coughing and/ or wheezing. Itching. Rashes Hives.

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

Sensitization May cause sensitization of susceptible persons. May cause

sensitization by skin contact. May cause sensitization by inhalation.

Mutagenic Effects No information available

Carcinogenicity The table below indicates whether each agency has listed any

ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Nickel oxide 1313-99-1		Group 2B Group 1	Reasonably Anticipated	X
Lithium Cobalt Oxide (CoLiO2) 12190-79-3	A3	Group 2B		X
Cobalt(II) oxide 1307-96-6	A3	Group 2B		X

#### ACGIH (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X- Present

Reproductive Toxicity Contains a known or suspected reproductive toxin

**STOT - single exposure** No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated

exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR1910.1200), this product has been determined to cause systemic target organ toxicity from

chronic or repeated exposure. (STOT RE).

Chronic Toxicity No known effect based on information supplied. Contains a known

or suspected carcinogen. Contains a known or suspected reproductive toxin. Possible risk of irreversible effects. Avoid repeated exposure. Prolonged exposure may cause chronic effects. May cause adverse effects on the bone marrow and blood-forming system. Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

May cause adverse liver effects.

Target Organ Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI).

Reproductive System. Blood.Central Nervous System (CNS). Central Vascular System (CVS). Kidney. Lungs. Nasal cavities.

Cardiovascular system. Systemic Toxicity. Liver.

**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)
ATEmix (dermal)

ATEmix (inhalation-dust/mist)

## 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Nickel oxide 1313-99-1	72h EC50: = 0.18 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 0.174 - 0.311 mg/L (Pseudokirchneriella subcapitata)	96h LC50: > 100 mg/L (Brachydanio rerio) 96h LC50: = 1.3 mg/L (Cyprinus carpio) 96h LC50: = 10.4 mg/L (Cyprinus carpio)		48h EC50: > 100 mg/L 48h EC50: = 1 mg/L
Copper 7440-50-8	96h EC50: 0.031 - 0.054 mg/L (Pseudokirchneriella subcapitata) 72h EC50: 0.0426 - 0.0535 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 0.0068 - 0.0156 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) 96h LC50: = 1.25 mg/L (Lepomis macrochirus) 96h LC50: = 0.052 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.2 mg/L (Pimephales promelas) 96h LC50: < 0.3 mg/L (Pimephales promelas)		48h EC50: = 0.03 mg/L

#### **Persistence and Degradability**

No information available.

### **Bioaccumulation**

No information available

Manganese dioxide	<0			
1313-13-9				

## Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods Should not be released into the environment.

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

#### California Hazardous Waste Codes 141

Chemical Name	California Hazardous Waste
Lithium Cobalt Oxide (CoLiO2) 12190-79-3	Toxic
Cobalt(II) oxide 1307-96-6	Toxic
Nickel oxide 1313-99-1	Toxic powder Ignitable powder
Aluminum 7429-90-5	Ignitable powder
Aluminum foil 7429-90-5	Ignitable powder
Copper 7440-50-8	Toxic

## 14. TRANSPORT INFORMATION

Note:

The transportation of primary lithium cells and batteries is regulated by the International Civil Aviation Organization, International Air Transport Association, International Maritime Dangerous Goods Code and the US Department of Transportation. The batteries must meet the following criteria for shipment: 1. Air shipments must meet the requirements listed in Special Provision A45 of the International Air Transport Association Dangerous Goods Regulations. 2. Meet the requirements for the US Department of Transportation listed in 49 CFR 173.185. 3. The transport of primary lithium batteries is prohibited aboard passenger aircraft. Refer to the Federal Register December 15, 2004 (Hazardous Materials; Prohibited on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft; Final Rule) Lithium batteries shipped as "Lithium batteries", "Lithium batteries packed with equipment", or "Lithium batteries contained in equipment" may not be classified as "Dangerous Goods" when shipped in accordance with "special provision A45 of IATA-DGR" or "special provision 188 of IMO-IMDG Code"

<u>DOT</u> NOT REGULATED

Proper Shipping Name NON REGULATED

Hazard Class N/A

TDGNot regulatedMEXNot regulatedICAONot regulatedIATANot regulatedProper Shipping NameNot regulated

Hazard Class N/A

<u>IMDG/IMO</u> Not regulated

Proper Shipping Name NON-REGULATED PER SP 188

Hazard Class
EmS No.
F-A, S-I
RID
Not regulated
ADR
Not regulated
Not regulated
Not regulated

## 15. REGULATORY INFORMATION

## **International Inventories**

**TSCA Complies** 

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

## **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	Weight-%	SARA 313 - Threshold Values %
Lithium Cobalt Oxide (CoLiO2)	12190-79-3	37.9	0.1
Cobalt(II) oxide	1307-96-6	7.4	0.1
Manganese dioxide	1313-13-9	15.4	1.0
Nickel oxide	1313-99-1	3.3	0.1
Aluminum foil	7429-90-5	4	1.0
Aluminum	7429-90-5	6	1.0
Copper	7440-50-8	8	1.0

## SARA 311/312 Hazard Categories

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
Copper		X	X	
7440-50-8				

#### **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
Copper	5000 lb		RQ 5000 lb final RQ
7440-50-8			RQ 2270 kg final RQ
Aluminum foil			
7429-90-5			
Nickel oxide			RQ 10 lb final RQ
1313-99-1			RQ 4.54 kg final RQ

## **US State Regulations**

## **California Proposition 65**

This product contains the following Proposition 65 chemicals.

This predact contains the following reposition so chemicals:			
Chemical Name	California Proposition 65		
Nickel oxide - 1313-99-1	Carcinogen		
Cobalt(II) oxide - 1307-96-6	Carcinogen		

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Lithium Cobalt Oxide (CoLiO2)	X		X	X	X
12190-79-3					

Cobalt(II) oxide 1307-96-6			Х	Х	Х
Manganese dioxide 1313-13-9			Х	Х	Х
Carbon 7440-44-0			Х		
Ethylene carbonate 96-49-1		Х	X		
Dimethyl carbonate 616-38-6	Х	Х	X		
Diethyl carbonate 105-58-8	Х	Х	Х		
Nickel oxide 1313-99-1	Х	Х	Х	Х	Х
Copper 7440-50-8	Х	Х	Х	Х	Х
Aluminum 7429-90-5	Х	Х	Х	Х	
Aluminum foil 7429-90-5		Х		Х	

## **International Regulations**

#### Mexico

**National occupational exposure limits** 

Component	Carcinogen Status	Exposure Limits
Manganese dioxide		Mexico: TWA= 0.2 mg/m <sup>3</sup>
1313-13-9 (15.4%)		
Nickel oxide		Mexico: TWA 1 mg/m <sup>3</sup>
1313-99-1 (3.3%)		
Copper		Mexico: TWA= 1 mg/m <sup>3</sup>
7440-50-8(8%)		Mexico: TWA= 0.2 mg/m <sup>3</sup>
		Mexico: STEL= 2 mg/m <sup>3</sup>
Aluminum		Mexico: TWA= 10 mg/m <sup>3</sup>
7429-90-5(6%)		
Aluminum foil		Mexico: TWA= 10 mg/m <sup>3</sup>
7429-90-5(4%)		

Mexico - Occupational Exposure Limits - Carcinogens

#### Canada

#### **WHMIS Hazard Class**

Non-controlled

## **16. OTHER INFORMATION**

NFPA Health Hazards 1 Flammability 0 Instability 0 Physical and Chemical Hazards - HMIS Health Hazards 3  $^{*}$  Flammability 0 Physical Hazard 0 Personal Protection  $^{\times}$ 

Chronic Hazard Star Legend \* = Chronic Health Hazard

Prepared By JiangSu Tenpower Lithium Co.,Ltd.

**Issuing Date** 

**Revision Date** 29-June-2015

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**