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Revision Number 0

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

### GHS product identifier

**Product Name** ABDick Ink Roller Desensitizer

### Other means of identification

**Product Code(s)** 4-4970

**UN-Number** UN2924

**Synonyms** Desensitizer

### Recommended use of the chemical and restrictions on use

**Recommended Use** Used for cleaning and desensitizing Offset Press ink rollers

**Uses advised against** No information available

### Supplier's details

#### Supplier Address

Mark Andy, Inc.  
18081 Chesterfield Airport Rd.  
Chesterfield, MO 63005  
TEL: 636-532-4433

### Emergency telephone number

**Emergency Telephone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

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

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Flammable liquids	Category 3
Corrosive to metals	Category 1

### GHS Label elements, including precautionary statements

#### Emergency Overview

**Signal Word** Danger

**Hazard Statements**

- Harmful if swallowed
- Causes severe skin burns and eye damage
- 
- Flammable liquid and vapor.

- May be corrosive to metals



**Appearance** Green.

**Physical State** Liquid.

**Odor** No information available.

### Precautionary Statements

#### Prevention

- Wash face, hands and any exposed skin thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Keep only in original container

#### General Advice

- Immediately call a POISON CENTER or doctor/physician.
- 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/physician.

#### 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 victim to fresh air and keep at rest in a position comfortable for breathing.

#### Ingestion

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- Rinse mouth.
- Do NOT induce vomiting.

#### Fire

- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

#### Spills and Leaks

- Absorb spillage to prevent material damage

#### Storage

- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Store in corrosive resistant polypropylene container with a resistant liner

#### Disposal

- Dispose of contents/container to an approved waste disposal plant.

### Hazard Not Otherwise Classified (HNOC)

Not applicable.

#### **Other information**

Toxic to aquatic life with long lasting effects.

0% of the mixture consists of ingredient(s) of unknown toxicity.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms** Desensitizer

<b>Chemical Name</b>	<b>CAS-No</b>	<b>Weight %</b>	<b>Trade secret</b>
Hexylene glycol	107-41-5	50-55	*
Ethylene glycol	107-21-1	10-20	*
1-Hexanol	111-27-3	10-20	*
Naphtha (petroleum), heavy aromatic	64742-94-5	4-6	*
Cupric chloride	7447-39-4	2-4	*
Hydrochloric acid	7647-01-0	<4	*

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

### **4. FIRST AID MEASURES**

#### **Description of necessary first-aid measures**

**Eye Contact** Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin Contact** Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation** Move to fresh air. If symptoms persist, call a physician.

**Ingestion** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Protection of First-aiders** Use personal protective equipment.

#### **Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** Corrosive. Serious eye irritation or damage.

#### **Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. 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**

#### **Suitable Extinguishing Media**

Water fog. Foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** No information available.

#### **Specific Hazards Arising from the Chemical**

Flammable. Vapors may travel to source of ignition and flash back.

#### **Explosion Data**

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

**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** Attention! Corrosive material. Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. Avoid release to the environment. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

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

**Methods for Cleaning Up** Use personal protective equipment. Take up with inert, damp, noncombustible material using clean non-sparking tools and place into loosely plastic containers for later disposal

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from incompatible materials. Keep container closed when not in use. All storage containers and equipment should be resistant to corrosive substances or protected by suitable coatings.

**Incompatible Products** Corrosive to metals

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hexylene glycol 107-41-5	Ceiling: 25 ppm	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>
Ethylene glycol 107-21-1	Ceiling: 100 mg/m <sup>3</sup> aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	-
Cupric chloride 7447-39-4	TWA: 1 mg/m <sup>3</sup> Cu dust and mist	-	IDLH: 100 mg/m <sup>3</sup> Cu dust and mist TWA: 1 mg/m <sup>3</sup> Cu dust and mist

Hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m <sup>3</sup> Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m <sup>3</sup>
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**Appropriate engineering controls**

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Chemical resistant goggles must be worn. A face shield should be worn if a potential for splashing or spraying exists.
<b>Skin and Body Protection</b>	Impervious clothing. Impervious gloves.
<b>Respiratory Protection</b>	Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hygiene Measures</b>	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>Appearance</b>	Green.
<b>Odor</b>	No information available.	<b>Odor Threshold</b>	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	< 1.0	None known
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	> 300 °F	None known
<b>Flash Point</b>	120 °F	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Specific Gravity</b>	No data available	None known
<b>Water Solubility</b>	Soluble in water.	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known
<b>Flammable Properties</b>	Not flammable	
<b>Explosive Properties</b>	No data available	
<b>Oxidizing Properties</b>	No data available	
<b>Other information</b>		
<b>VOC Content (%)</b>	No data available	
<b>Actual VOC (lb/gal)</b>	1.61	

## 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**

Heat, flames and sparks.

**Incompatible materials**

Corrosive to metals

**Hazardous decomposition products**

Carbon oxides. Smoke

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information****Inhalation**

Inhaled corrosive substances can lead to a toxic edema of the lungs.

**Eye Contact**

Causes serious eye damage. Corrosive to the eyes and may cause severe damage including blindness.

**Skin Contact**

Corrosive. Causes severe skin burns.

**Ingestion**

Harmful if swallowed. Ingestion of corrosive substances can cause burns of the upper digestive and respiratory tract.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hexylene glycol	= 3692 mg/kg ( Rat )	12,3000 mg/kg ( Rabbit )	> 310 mg/m <sup>3</sup> ( Rat ) 1 h
Ethylene glycol	4000 mg/kg ( Rat )	9530 µL/kg ( Rabbit )	-
1-Hexanol	= 720 mg/kg ( Rat )	= 1500 mg/kg ( Rabbit )	> 21 mg/L ( Rat ) 1 h
Naphtha (petroleum), heavy aromatic	> 5000 mg/kg ( Rat )	> 2 mL/kg ( Rabbit )	> 590 mg/m <sup>3</sup> ( Rat ) 4 h
Cupric chloride	= 584 mg/kg ( Rat )	-	-
Hydrochloric acid	238 - 277 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	= 1.68 mg/L ( Rat ) 1 h

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms**

No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Sensitization**

No information available.

**Mutagenic Effects**

No information available.

**Carcinogenicity**

Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrochloric acid		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**

**Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

**LD50 Oral** 1462 mg/kg; Acute toxicity estimate

**LD50 Dermal** 6300 mg/kg; Acute toxicity estimate

**Inhalation**

**dust/mist** 13.9 mg/L; Acute toxicity estimate

**Vapor** 120 mg/L; Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Hexylene glycol 107-41-5		LC50 96 h: 10500 - 11000 mg/L flow-through (Pimephales promelas) LC50 96 h: = 10000 mg/L static (Lepomis macrochirus) LC50 96 h: = 8690 mg/L flow-through (Pimephales promelas) LC50 96 h: = 10700 mg/L static (Pimephales promelas)	EC50 = 3038 mg/L 5 min	EC50 48 h: 2700 - 3700 mg/L (Daphnia magna)
Ethylene glycol 107-21-1	EC50 96 h: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14 - 18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000 - 60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	EC50 48 h: = 46300 mg/L (Daphnia magna)
1-Hexanol 111-27-3		LC50 96 h: 89.7-106 mg/L flow-through (Pimephales promelas) LC50 96 h: = 144 mg/L static (Brachydanio rerio)	EC50 = 27.5 mg/L 30 min EC50 = 300.4 mg/L 48 h	EC50 24 h: = 201 mg/L (Daphnia magna)
Naphtha (petroleum), heavy aromatic 64742-94-5	EC50 72 h: = 2.5 mg/L (Skeletonema costatum)	LC50 96 h: = 19 mg/L static (Pimephales promelas) LC50 96 h: = 2.34 mg/L (Oncorhynchus mykiss) LC50 96 h: = 1740 mg/L static (Lepomis macrochirus) LC50 96 h: = 45 mg/L flow-through (Pimephales promelas) LC50 96 h: = 41 mg/L (Pimephales promelas)		EC50 48 h: = 0.95 mg/L (Daphnia magna)
Hydrochloric acid 7647-01-0		LC50 96 h: = 282 mg/L static (Gambusia affinis)		

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

Chemical Name	Log Pow
Hexylene glycol	0.13986
Ethylene glycol	-1.93
1-Hexanol	2.03
Naphtha (petroleum), heavy aromatic	2.9 - 6.1

**Other Adverse Effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

**DOT**

**UN-Number** UN2924  
**Proper shipping name** Flammable liquids, corrosive, n.o.s.  
**Hazard Class** 3  
**Subsidiary Class** 8  
**Packing Group** III  
**Marine Pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT.  
**Description** UN2924, Flammable liquids, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, Limited Quantity  
**Emergency Response Guide Number** 132

**TDG**

**UN-Number** UN2924  
**Proper Shipping Name** Flammable liquid, corrosive, n.o.s.  
**Hazard Class** 3  
**Subsidiary Class** 8  
**Packing Group** III  
**Description** UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, Limited Quantity

**MEX**

**UN-Number** UN2924  
**Proper Shipping Name** Flammable liquid, corrosive, n.o.s.  
**Hazard Class** 3  
**Subsidiary Class** 8  
**Packing Group** III  
**Description** UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, Limited Quantity

**ICAO**

**UN-Number** UN2924  
**Proper shipping name** Flammable liquid, corrosive, n.o.s.  
**Hazard Class** 3  
**Subsidiary Class** 8  
**Packing Group** III  
**Description** UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III

**IATA**

**UN-Number** UN2924  
**Proper Shipping Name** Flammable liquid, corrosive, n.o.s.  
**Hazard Class** 3  
**Subsidiary Class** 8  
**Packing Group** III



<b>ERG Code</b>	3C
<b>Description</b>	UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III

**IMDG/IMO**

<b>UN-Number</b>	UN2924
<b>Proper Shipping Name</b>	Flammable liquid, corrosive, n.o.s.
<b>Hazard Class</b>	3
<b>Subsidiary Class</b>	8
<b>Packing Group</b>	III
<b>EmS No.</b>	F-E, S-C
<b>Description</b>	UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, Limited Quantity

**RID**

<b>UN-Number</b>	UN2924
<b>Proper Shipping Name</b>	Flammable liquid, corrosive, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification Code</b>	FC
<b>Description</b>	UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, Limited Quantity
<b>ADR/RID-Labels</b>	8

**ADR**

<b>UN-Number</b>	UN2924
<b>Proper Shipping Name</b>	Flammable liquid, corrosive, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification Code</b>	FC
<b>Tunnel Restriction Code</b>	(D/E)
<b>Description</b>	UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, (D/E), Limited Quantity
<b>ADR/RID-Labels</b>	8

**ADN**

<b>Proper Shipping Name</b>	Flammable liquid, corrosive, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification Code</b>	FC
<b>Special Provisions</b>	274
<b>Description</b>	UN2924, Flammable liquid, corrosive, n.o.s. (Naphtha (petroleum), heavy aromatic, Hydrochloric acid), 3 (8), III, Limited Quantity
<b>Hazard Labels</b>	8
<b>Limited Quantity</b>	5 L
<b>Ventilation</b>	VE01

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	All components are listed either on the DSL or NDSL.

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

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 %
Ethylene glycol	107-21-1	10-20	1.0

Hydrochloric acid	7647-01-0	<4	1.0
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**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**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
Cupric chloride	10 lb	X		X
Hydrochloric acid	5000 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	Extremely Hazardous Substances RQs	RQ
Ethylene glycol	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Cupric chloride	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ
Hydrochloric acid	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Hexylene glycol	X	X	X		X
Ethylene glycol	X	X	X	X	X
Cupric chloride		X	X		
Hydrochloric acid	X	X	X	X	

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard 3</b>	<b>Flammability 2</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazard 3</b>	<b>Flammability 2</b>	<b>Physical Hazard 0</b>	<b>Personal Protection B</b>

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** 22-Oct-2015

**Revision Note** No information available.

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**General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**