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

Product identifier Product code Product name Product category

GVLF105 Permanent Red GV Series Gloss Vinyl Screen Ink

Other means of identification Synonyms

Recommended use of the chemical and restrictions on useRecommended usePrinting operations

None

#### Details of the supplier of the safety data sheet

UNITED STATES Nazdar Company 8501 Hedge Lane Terrace Shawnee, KS 66227 Tel: 1-913-422-1888 Tel: 1-800-677-4657 Fax: 1-913-422-2294 www.nazdar.com UNITED KINGDOM Nazdar Limited Barton Road Heaton Mersey Stockport, England SK4 3EG Tel: +44 161 442 2111

#### Emergency telephone number

USA: Chemtrec: 1-800-424-9300 Outside USA: Chemtrec: 1-703-527-3887 24 Hour Emergency Phone Number

## 2. HAZARDS IDENTIFICATION

#### Classification

Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 2 - (H351)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Aspiration toxicity	Category 1 - (H304)

#### Label elements



Signal Wor Danger

#### **Hazard Statements**

H304 - May be fatal if swallowed and enters airways

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H351 - Suspected of causing cancer

#### **Precautionary Statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P331 - Do NOT induce vomiting

#### Hazards not otherwise classified (HNOC)

May be harmful if swallowed. May be harmful in contact with skin. Combustible liquid.

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

#### Mixture

Component	CAS-No	Weight %	Trade Secret	Note
Isophorone	78-59-1	30 - 60	*	
Naphtha (petroleum), heavy aromatic	64742-94-5	10 - 30	*	
Ethyl 3-Ethoxypropionate	763-69-9	5 - 10	*	
Petroleum naphtha, light aromatic	64742-95-6	1 - 5	*	
Titanium dioxide	13463-67-7	1 - 5	*	
1,2,4-Trimethylbenzene (constituent)	95-63-6	1 - 5	*	1
Naphthalene (constituent)	91-20-3	< 1	*	1
1,3,5-Trimethylbenzene (constituent)	108-67-8	< 0.5	*	1
Cumene (constituent)	98-82-8	< 0.5	*	1

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

Note 1. Type of chemical: Constituent

## **4. FIRST AID MEASURES**

#### **Description of first aid measures**

General Advice Eye Contact	Show this safety data sheet to the doctor in attendance. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

# Most important symptoms and effects, both acute and delayed

None under normal use conditions.

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

Notes to Physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

No information available.

#### Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

#### **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. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

#### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Handling	Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

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

StorageKeep containers tightly closed in a dry, cool and well-ventilated place. Keep away from<br/>open flames, hot surfaces and sources of ignition. Keep container closed when not in use.<br/>Keep out of the reach of children.

Incompatible Products Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### **Exposure limits**

Component	ACGIH TLV
Isophorone 78-59-1	Ceiling: 5 ppm
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA: 10 ppm STEL: 15 ppm Skin
Cumene (constituent) 98-82-8	TWA: 50 ppm

Component	OSHA PEL
Isophorone	TWA: 4 ppm
78-59-1	TWA: 23 mg/m <sup>3</sup>
	TWA: 25 ppm
	TWA: 140 mg/m <sup>3</sup>
Titanium dioxide	TWA: 10 mg/m <sup>3</sup> (total dust)
13463-67-7	TWA: 15 mg/m <sup>3</sup> (total dust)
Naphthalene (constituent)	TWA: 10 ppm
91-20-3	TWA: 50 mg/m <sup>3</sup>
	STEL: 15 ppm

	STEL: 75 mg/m <sup>3</sup>
Cumene (constituent)	TWA: 50 ppm
98-82-8	TWA: 245 mg/m <sup>3</sup>
	Skin

Component	Ontario TWAEV
Isophorone 78-59-1	CEV: 5 ppm
Ethyl 3-Ethoxypropionate 763-69-9	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup>
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup> (total dust)
Naphthalene (constituent) 91-20-3	TWA: 10 ppm STEL: 15 ppm Skin
Cumene (constituent) 98-82-8	TWA: 50 ppm
Component	Mexico OEL (TWA)
Isophorone 78-59-1	Peak: 5 ppm Peak: 25 mg/m³
Titanium dioxide 13463-67-7	TWA/LMPE-PPT: 10 mg/m <sup>3</sup> (as Ti) STEL/LMPE-CT: 20 mg/m <sup>3</sup> (as Ti)
Naphthalene (constituent) 91-20-3	TWA/LMPE-PPT: 10 ppm TWA/LMPE-PPT: 50 mg/m <sup>3</sup> STEL/LMPE-CT: 15 ppm STEL/LMPE-CT: 75 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA/LMPE-PPT: 50 ppm TWA/LMPE-PPT: 245 mg/m <sup>3</sup> STEL/LMPE-CT: 75 ppm STEL/LMPE-CT: 365 mg/m <sup>3</sup>

## Appropriate engineering controls

Engineering Measures	Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.
Individual protection measures, su	ch as personal protective equipment
Eye/face Protection	Wear safety glasses with side shields (or goggles). If splashes are likely to occur:. Wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.
Skin Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic	physical and chemical properties
Physical State	Liquid

Physical StateLiquidOdorCharacteristic

Appearance Odor Threshold Colored Liquid No information available

<u>Property</u> pH Melting point/freezing point Boiling point/Boiling Range Flash Point Evaporation rate	<u>Values</u> > 149 °C / 300 °F 66 °C / 150 °F	Remarks • Methoo No data available No data available Setaflash closed cu No data available	_
Flammability Limit in Air Upper flammability limit Lower flammability limit Vapor Pressure Vapor Density Specific Gravity	1.05	No data available No data available No data available No data available	
Water Solubility Solubility in other solvents Partition coefficient: n-octanol Autoignition Temperature Decomposition temperature Kinematic viscosity Dynamic viscosity		No data available No data available	
Explosive Properties Oxidizing Properties	No data available No data available		
<u>Other Information</u> Photochemically Reactive Weight Per Gallon (Ibs/gal)	Yes 8.73		
VOC by weight % (less water) 63.63	VOC by volume % (less water) 65.85	VOC lbs/gal (less water) 5.56	VOC grams/liter (less water) 666.46

## **10. STABILITY AND REACTIVITY**

#### Reactivity

No information available.

#### Chemical stability

Stable under normal conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

## Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

#### Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

#### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO2). Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Component		Oral LDE0
Ingestion	There is no data for this product.	
Skin Contact	There is no data for this product.	
Eye Contact	There is no data for this product.	
Inhalation	There is no data for this product.	

# Component Oral LD50

>5.2 mg/L (Rat) 4 h

18 g/m<sup>3</sup> (Rat) 4 h

>340 mg/m3 (Rat) 1 h

24 g/m3 (Rat) 4 h

39000 mg/m3 (Rat) 4 h

lsophorone 78-59-1	1870 mg/kg (Rat)	
Naphtha (petroleum), heavy aromatic 64742-94-5	>5000 mg/kg (Rat)	
Ethyl 3-Ethoxypropionate 763-69-9	3200 mg/kg (Rat)	
Petroleum naphtha, light aromatic 64742-95-6	8400 mg/kg (Rat)	
Titanium dioxide 13463-67-7	>10000 mg/kg (Rat)	
1,2,4-Trimethylbenzene (constituent) 95-63-6	3400 mg/kg (Rat)	
Naphthalene (constituent) 91-20-3	490 mg/kg (Rat)	
1,3,5-Trimethylbenzene (constituent) 108-67-8	5000 mg/kg (Rat)	
Cumene (constituent) 98-82-8	1400 mg/kg (Rat)	
Component	LD50 Dermal	
Isophorone 78-59-1	1390 mg/kg (Rat)	
Naphtha (petroleum), heavy aromatic 64742-94-5	>2000 mg/kg (Rabbit)	
Ethyl 3-Ethoxypropionate 763-69-9	10 mL/kg (Rabbit)	
Petroleum naphtha, light aromatic 64742-95-6	>2000 mg/kg (Rabbit)	
1,2,4-Trimethylbenzene (constituent) 95-63-6	>3160 mg/kg (Rabbit)	
Naphthalene (constituent) 91-20-3	>2500 mg/kg (Rat) >20 g/kg (Rabbit)	
Cumene (constituent) 98-82-8	>3160 mg/kg(Rabbit)	
Component	Inhalation LC50	
Isophorone 78-59-1	7 mg/L (Rat)4 h	
Naphtha (petroleum), heavy aromatic 64742-94-5	>590 mg/m³(Rat)4 h	
Petroleum naphtha, light aromatic	3400 ppm (Rat) 4 h	

Information on toxicological effects	

1,2,4-Trimethylbenzene (constituent)

1,3,5-Trimethylbenzene (constituent)

Naphthalene (constituent)

Cumene (constituent)

Symptoms

64742-95-6

95-63-6

91-20-3

108-67-8

98-82-8

There is no data for this product.

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

There is no data for this product. Skin corrosion/irritation Eye damage/irritation There is no data for this product. Irritation There is no data for this product. Corrosivity There is no data for this product. There is no data for this product. Sensitisation There is no data for this product. **Mutagenic Effects** There is no data for this product. **Reproductive Effects** STOT - single exposure There is no data for this product. There is no data for this product. STOT - repeated exposure

Chronic Toxicity	There is no data for this product		
Aspiration hazard	There is no data for this product.		
Carcinogenicity	The table below indicates whether each a	gency has listed any ingredient as a carcinogen.	
Component		ACGIH	
Isophorone 78-59-1		A3	
Component		IARC	
Titanium dioxide 13463-67-7		Group 2B	
Naphthalene (constituent) 91-20-3		Group 2B	
Cumene (constituent) 98-82-8		Group 2B	
Component		NTP	
Naphthalene (constituent) 91-20-3		Reasonably Anticipated	
Component		OSHA	
Titanium dioxide 13463-67-7		Х	
Naphthalene (constituent) 91-20-3		X	
Cumene (constituent)		X	

## Numerical measures of toxicity - Product Information

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

ATEmix (oral)	3,629.00 mg/kg
ATEmix (dermal)	2,692.00 mg/kg mg/l
ATEmix (inhalation-dust/mist)	16.00 mg/l

# **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity None known

98-82-8

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Component	Algae/aquatic plants	
Isophorone 78-59-1	96h EC50 Pseudokirchneriella subcapitata: 51.1 - 342 mg/L 72h EC50 Desmodesmus subspicatus: 475.4 mg/L	
Naphthalene (constituent) 91-20-3	72h EC50 Skeletonema costatum: 0.4 mg/L	
Cumene (constituent) 98-82-8	72h EC50 Pseudokirchneriella subcapitata: 2.6 mg/L	
Component	Fish	
Isophorone 78-59-1	96h LC50 Pimephales promelas: 132 - 159 mg/L [flow-through] 96h LC50 Lepomis macrochirus: 180 - 250 mg/L [static] 96h LC50 Pimephales promelas: 213 - 271 mg/L [static]	
Ethyl 3-Ethoxypropionate 763-69-9	96h LC50 Pimephales promelas: 62 mg/L [static]	
Petroleum naphtha, light aromatic 64742-95-6	96h LC50 Oncorhynchus mykiss: 9.22 mg/L	
1,2,4-Trimethylbenzene (constituent) 95-63-6	96h LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through]	
Naphthalene (constituent) 91-20-3	96h LC50 Oncorhynchus mykiss: 0.91 - 2.82 mg/L [static] 96h LC50 Pimephales promelas: 5.74 - 6.44 mg/L [flow-through] 96h LC50 Oncorhynchus mykiss: 1.6 mg/L [flow-through] 96h LC50 Pimephales promelas: 1.99 mg/L [static]	

	96h LC50 Lepomis macrochirus: 31.0265 mg/L [static]
1,3,5-Trimethylbenzene (constituent)	96h LC50 Pimephales promelas: 3.48 mg/L
108-67-8	
Cumene (constituent)	96h LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]
98-82-8	96h LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]
	96h LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]
	96h LC50 Poecilia reticulata: 5.1 mg/L [semi-static]

Component	Crustacea
lsophorone 78-59-1	48h EC50 Daphnia magna: 117 mg/L
Ethyl 3-Ethoxypropionate 763-69-9	48h EC50 Daphnia magna: 970 mg/L
1,2,4-Trimethylbenzene (constituent) 95-63-6	48h EC50 Daphnia magna: 6.14 mg/L
Naphthalene (constituent) 91-20-3	48h EC50 Daphnia magna: 1.09 - 3.4 mg/L [static] 48h EC50 Daphnia magna: 1.96 mg/L [Flow through] 48h LC50 Daphnia magna: 2.16 mg/L
1,3,5-Trimethylbenzene (constituent) 108-67-8	24h EC50 Daphnia magna: 50 mg/L
Cumene (constituent) 98-82-8	48h EC50 Daphnia magna: 7.9 - 14.1 mg/L [static] 48h EC50 Daphnia magna: 0.6 mg/L

# Persistence and Degradability No information available.

#### **Bioaccumulation**

No information available.

Component	Partition coefficient
Isophorone 78-59-1	1.66
Naphtha (petroleum), heavy aromatic 64742-94-5	4.5
Ethyl 3-Ethoxypropionate 763-69-9	1.35
1,2,4-Trimethylbenzene (constituent) 95-63-6	3.63
Naphthalene (constituent) 91-20-3	3.3
Cumene (constituent) 98-82-8	3.55

## Other adverse effects

No information available

# **13. DISPOSAL CONSIDERATIONS**

Waste treatment methods	
Waste Disposal Methods	Contain and dispose of waste according to local regulations.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

# **14. TRANSPORT INFORMATION**

DOT	Not regulated
Proper Shipping Name	Printing Ink
ICAO / IATA / IMDG / IMO	Not Regulated
Proper Shipping Name	Printing Ink

## **15. REGULATORY INFORMATION**

## International Inventories

All components are listed on the TSCA Inventory. For further information, please contact:. Supplier (manufacturer/importer/downstream user/distributor).

#### U.S. 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.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
1,2,4-Trimethylbenzene (constituent)	95-63-6	1 - 5	1.0
Naphthalene (constituent)	91-20-3	< 1	0.1

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:.

Component	CAS-No	Weight %
Isophorone	78-59-1	30 - 60

## U.S. State Regulations

Component	Massachusetts Right To Know
Isophorone 78-59-1	X
Titanium dioxide 13463-67-7	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
1,3,5-Trimethylbenzene (constituent) 108-67-8	X
Cumene (constituent) 98-82-8	X

Component	Minnesota Right To Know
Isophorone 78-59-1	Х
Titanium dioxide 13463-67-7	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Cumene (constituent) 98-82-8	X

Component	New Jersey Right To Know
Isophorone 78-59-1	X
Titanium dioxide 13463-67-7	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Cumene (constituent) 98-82-8	X
Component	Pennsylvania

	Right To Know
Isophorone 78-59-1	X
Titanium dioxide 13463-67-7	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Cumene (constituent) 98-82-8	X

## California Prop. 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

Component	California Prop. 65
Titanium dioxide	Carcinogen
Naphthalene (constituent)	Carcinogen
Cumene (constituent)	Carcinogen
This was destined for the destine of a state was made by former by back for a fifteen destine of the back for a fifteen to be back for a state of the back former back for a state of the back former back for a state of the back former back former back for a state of the back former back former back for a state of the back former back former back for a state of the back former back former back for a state of the back former back former back for a state of the back former back for a state of the back former back former back for a state of the back former back for a s	

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

#### Canada

Component	NPRI - National Pollutant Release Inventory
Isophorone 78-59-1	Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999
Naphtha (petroleum), heavy aromatic 64742-94-5	Part 5, Other Groups and Mixtures Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999
Ethyl 3-Ethoxypropionate 763-69-9	Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999
Petroleum naphtha, light aromatic 64742-95-6	Part 5, Other Groups and Mixtures
1,2,4-Trimethylbenzene (constituent) 95-63-6	Part 1, Group A Substance Part 5, Individual Substances Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999
Naphthalene (constituent) 91-20-3	Part 1, Group A Substance Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999
1,3,5-Trimethylbenzene (constituent) 108-67-8	Part 5, Isomer Groups total of 1,2,3-Trimethylbenzene, CAS No. 526-73-8, and 1,3,5-Trimethylbenzene, CAS No. 108-67-8, except 1,2,4-Trimethylbenzene, CAS No. 95-63-6 Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999
Cumene (constituent) 98-82-8	Part 1, Group A Substance Part 4 Substance as set out in Section 65 of the List of Toxic Substances in Schedule 1 of the Canadian Environmental Protection Act, 1999

# **16. OTHER INFORMATION**

HMIS:

Health 2 \* Flammability 2

Reactivity 0 Personal Protection X

## Key or legend to abbreviations and acronyms used in the safety data sheet

Legend - Section 8: EXPOSURE CO	NTROLS/PERSONAL PROTECTION
TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen A2 - Suspected Human Carcinogen A3 - Animal Carcinogen IARC: (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans Group 2A - Probably Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans NTP: (National Toxicity Program) Known - Known Carcinogen Reasonably Anticipated to be a Human Carcinogen OSHA: (Occupational Safety & Health Administration) X - Present

## Revision Date May-31-2015

#### **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 MSDS