

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Product name:** Duralink(TM) HTS

**Product No.:** 34009-00, P3400900, P3400901, P3400902, P3400903, P3400904

### Additional identification

**Chemical name:** Disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate  
**CAS-No.:** 5719-73-3

### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Industrial chemical.

**Uses advised against:** None known.

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

#### Manufacturer / Supplier

Eastman Chemical Company  
200 South Wilcox Drive  
Kingsport, TN 37660-5280 US  
+14232292000

Visit our website at [www.EASTMAN.com](http://www.EASTMAN.com) or email [emnmsds@eastman.com](mailto:emnmsds@eastman.com)

### Emergency telephone number:

For emergency health, safety, and environmental information, call 1-423-229-4511 or 1-423-229-2000.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300 or call 423-229-2000.

## SECTION 2: Hazards identification

### Hazard Classification:

#### Health Hazards

Skin sensitizer

Category 1

### OSHA Specified Hazards:

Combustible dust

May form combustible dust concentrations in air.

### Warning label items including precautionary statement:

#### Pictogram:



#### Signal Words:

Warning

**Hazard Statement(s):** H317: May cause an allergic skin reaction.  
May form combustible dust concentrations in air.

**Precautionary Statement:**

**Prevention:** P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P272: Contaminated work clothing must not be allowed out of the workplace.  
P280: Wear protective gloves.  
P210: Keep away from heat/sparks/open flames. - No smoking.  
P243: Take precautionary measures against static discharge.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P363: Wash contaminated clothing before reuse.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC):** None known.

### SECTION 3: Composition/information on ingredients

#### Substances / Mixtures

##### General information:

Chemical name	Concentration	Additional identification	Notes
disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate	98 - 99%	CAS-No.: 5719-73-3	#
white mineral oil	1 - 2%	CAS-No.: 8042-47-5	#

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

### SECTION 4: First aid measures

**General:** Get medical attention if symptoms occur. Show this safety data sheet to the doctor in attendance. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

#### Description of first aid measures

**Inhalation:** Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Loosen tight clothing such as a collar, tie, belt or waistband. For breathing difficulties, oxygen may be necessary. Get medical attention if symptoms persist. Persons who have inhaled vapours or smoke fumes have to be put under medical observation for at least 48 hours, due to the delayed appearance of poisoning.

**Eye contact:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms occur.

**Skin Contact:** Wash promptly with soap and water if skin becomes contaminated. Remove contaminated clothing and shoes. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse.

**Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms and effects, both acute and delayed:** May cause allergic skin reaction. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Dust contact with the eyes can lead to mechanical irritation.

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

**Hazards:** May cause sensitization by skin contact.

**Treatment:** Treat symptomatically.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Keep upwind. In case of fire and/or explosion do not breathe fumes.

**Extinguishing media**

**Suitable extinguishing media:** Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Special hazards arising from the substance or mixture:** Powdered material may form explosive dust-air mixtures. May ignite at high temperature. During fire, gases hazardous to health may be formed. Risk of chemical pneumonia after aspiration. Hazardous Decomposition Products : carbon dioxide, carbon monoxide , Sulfur oxides. . Runoff may pollute waterways.

**Advice for firefighters**

**Special fire fighting procedures:** Minimize dust generation and accumulation. In case of fire: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	No action shall be taken involving any personal risk or without suitable training. Keep unauthorized personnel away. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid breathing dust or vapor from heated material. Ventilate closed spaces before entering them. Reference to other sections : See Section 8 of the SDS for Personal Protective Equipment.
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Clear up spills immediately and dispose of waste safely. Avoid discharge into drains, water courses or onto the ground.
<b>Methods and material for containment and cleaning up:</b>	Small Spillages: Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Large Spillages: Cover powdered spills with plastic sheet or tarpaulin to minimize spreading and protect from water. Prevent dust cloud. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush spilled material into suitable retaining areas or container with large quantities of water. Prevent runoff from entering drains, sewers, or streams. Clean surface thoroughly to remove residual contamination. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Collect and dispose of spillage as indicated in section 13 of the SDS. For waste disposal, see section 13 of the SDS.
<b>Notification Procedures:</b>	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**SECTION 7: Handling and storage:**

<b>Precautions for safe handling:</b>	Do not handle until all safety precautions have been read and understood. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. An eye wash bottle must be available at the work site. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Minimize dust generation and accumulation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not breathe dust or vapor from heated material. In case of inadequate ventilation, use respiratory protection. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash promptly with soap and water if skin becomes contaminated. Remove contaminated clothing and wash it before reuse. Handle in accordance with good industrial hygiene and safety practice. See also Section 8 for additional information on hygiene measures.
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in a cool, dry place out of direct sunlight. Keep container tightly closed and in a well-ventilated place. Store away from incompatible materials. Keep away from food, drink and animal feeding stuffs. Do not store in open or unlabelled containers. Store in accordance with local/regional/national/international regulations.
<b>Specific end use(s):</b>	No data available.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Country specific exposure limits have not been established or are not applicable unless listed below.

Chemical name	type	Exposure Limit Values	Source
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Inhalable particles.	TWA	10 mg/m3	US. ACGIH Threshold Limit Values (01 2010)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Respirable particles.	TWA	3 mg/m3	US. ACGIH Threshold Limit Values (01 2010)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	15 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Respirable fraction.	TWA	5 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)

	TWA PEL	5 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Total dust.	TWA PEL	10 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Respirable fraction.	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Respirable fraction.	TWA	5 mg/m <sup>3</sup>	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
disodium S,S'-hexane-1,6-diyldi(thiosulphate) dihydrate, disodium S,S-hexane-1,6-diyldi(thiosulphate) dihydrate - Total dust.	TWA	15 mg/m <sup>3</sup>	US. OSHA Table Z-3 (29 CFR 1910.1000) (2000)
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (01 2010)
White mineral oil (petroleum) - Mist.	PEL	5 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

**Exposure controls**

**Appropriate engineering controls:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

**General information:**

An eye wash bottle must be available at the work site. Provide access to washing facilities including soap, skin cleanser and fatty cream. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommendations: Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand Protection:**

Recommended gloves: Rubber (natural, latex). Neoprene. Wear chemical-resistant gloves and protective clothing appropriate for the risk of exposure. Contact glove manufacturer for specific information. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations.

**Other:**

Wear suitable protective clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If prolonged or repeated contact is likely, chemical resistant clothing is recommended.

**Respiratory Protection:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using the product. Wash at the end of each work shift and before eating, smoking and using the toilet. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs.

**Environmental Controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Do not contaminate water sources or sewer. Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

**Appearance**

<b>Physical state:</b>	solid
<b>Form:</b>	Powder
<b>Color:</b>	Off-white
<b>Odor:</b>	Mild, musty

<b>Odor Threshold:</b>	Not determined.
<b>pH:</b>	No data available.
<b>Melting Point</b>	127 - 137 °C decomposes
<b>Boiling Point:</b>	decomposes
<b>Flash Point:</b>	No data available.
<b>Evaporation Rate:</b>	Not determined.
<b>Flammability (solid, gas):</b>	No
<b>Flammability Limit - Upper (%)-:</b>	No data available.
<b>Flammability Limit - Lower (%)-:</b>	No data available.
<b>Vapor pressure:</b>	33.5 hPa (40 °C)
<b>Vapor density (air=1):</b>	No data available.
<b>Specific Gravity:</b>	1.40 (20 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	307 g/l (20 °C)
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	not applicable
<b>Autoignition Temperature:</b>	234 °C
<b>Decomposition Temperature:</b>	>= 250 °C (DSC)
<b>Dynamic viscosity:</b>	not applicable
<b>Kinematic viscosity:</b>	not applicable ; solid
<b>Explosive properties:</b>	Not classified. (Expert judgement.)
<b>Oxidizing properties:</b>	Not classified.

**Other information**

<b>Molecular weight:</b>	354.41 g/mol (NaO3S2(CH2)6S2O3Na.2H2O)
<b>Dust Explosion Limit, Lower:</b>	325 g/m3
<b>Dust Explosion Description Number</b>	112 m.b./s
<b>Kst:</b>	
<b>Dust Explosion Class:</b>	St 1 - weak explosion
<b>Minimum ignition energy:</b>	260 - 1,000 J

**SECTION 10: Stability and reactivity**

<b>Reactivity:</b>	Material is stable under normal conditions.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	None under normal conditions.
<b>Conditions to Avoid:</b>	Avoid conditions which create dust. Prevent dust cloud. Prevent dust accumulation. Avoid dust close to ignition sources.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Elevated temperatures or mechanical action may form vapors, mists or fumes which may be irritating to the eyes and respiratory tract. Emits acid smoke and fumes when heated to decomposition.



**SECTION 11: Toxicological information****Information on likely routes of exposure**

<b>Inhalation:</b>	None known.
<b>Ingestion:</b>	None known.
<b>Skin Contact:</b>	May cause an allergic skin reaction.
<b>Eye contact:</b>	None known.

**Information on toxicological effects****Oral**

**Product:** Oral LD-50: (Rat, Male and Female): > 5,000 mg/kg

**Dermal**

**Product:** Dermal LD-50: (Rabbit, Male and Female): > 5,000 mg/kg  
Not classified.

**Inhalation**

**Product:** No data available.

**Specified substance(s):**

white mineral oil

LC50 (Rat, 4 h): > 5 mg/l

**Repeated dose toxicity**

**Product:** NOAEL (Rat(Male and Female), by gavage): 1,000 mg/kg NOEL (Rat(Male and Female), by gavage): 500 mg/kg

**Skin Corrosion/Irritation**

**Product:** Draize (Rabbit, 24 h): Slightly irritating.

**Serious Eye Damage/Eye Irritation**

**Product:** Draize (Rabbit): Slightly irritating.

**Respiratory or Skin Sensitization**

**Product:** Skin Sensitization:, OECD 406: Guinea pig sensitization (Guinea Pig): sensitizing  
Skin Sensitization:, Human Repeat Insult Patch Test (Human): sensitizing

**Carcinogenicity**

**Product:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Toxicity to reproduction**

**Product:** (Rat, Male and Female); NOAEL: 500 mg/kg; NOAEL: 1,000 mg/kg; OECD Test No. 415: One-Generation Reproduction Toxicity Study

**Developmental toxicity**

**Product:** No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Salmonella typhimurium assay (Ames test) (Bacterial Reverse Mutation Assay):  
negative  
Mutagenicity - Mammalian (In vitro Mammalian Chromosome Aberration Test):  
negative

**In vivo**

**Product:** Chromosomal aberration (Mammalian Bone Marrow Chromosome Aberration Test)  
oral: gavage (Rat): negative

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Not classified.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Not classified.

**Aspiration Hazard**

**Product:** not applicable

**Other effects:** No data available.

**SECTION 12: Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** LC-50 (Bluegill Sunfish, 96 h): > 1,000 mg/l  
LC-50 (Oncorhynchus mykiss, 96 h): > 1,000 mg/l

**Aquatic Invertebrates**

**Product:** LC-50 (Daphnia magna, 48 h): 80 mg/l

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

disodium S,S'-hexane-1,6-  
diyldi(thiosulphate)  
dihydrate, disodium S,S-  
hexane-1,6-  
diyldi(thiosulphate)  
dihydrate

EC-50 (Daphnia magna, 21 d): 250 mg/l  
NOEC: (Daphnia magna, 21 d): 190 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s):**

disodium S,S'-hexane-1,6-  
ErC50 (Selenastrum capricornutum, 72 h): > 107 mg/l

diylidi(thiosulphate)  
dihydrate, disodium S,S-  
hexane-1,6-  
diylidi(thiosulphate)  
dihydrate

NOEC: (Selenastrum capricornutum, 72 h):  $\geq$  107 mg/l

white mineral oil

LOEC (Algae (Pseudokirchneriella subcapitata), 72 h):  $\geq$  100 mg/l

## Persistence and Degradability

### Biodegradation

**Product:** No data available.

#### Specified substance(s):

disodium S,S'-hexane-1,6-  
diylidi(thiosulphate)  
dihydrate, disodium S,S-  
hexane-1,6-  
diylidi(thiosulphate) dihydrate

10 % Not readily degradable.  
0 % (76 d, Inherent Biodegradability: Modified SCAS Test) The product is not biodegradable.

### BOD/COD Ratio

**Product:** No data available.

## Bioaccumulative Potential

### Bioconcentration Factor (BCF)

**Product:** No data available.

#### Specified substance(s):

disodium S,S'-hexane-1,6-  
diylidi(thiosulphate)  
dihydrate, disodium S,S-  
hexane-1,6-  
diylidi(thiosulphate) dihydrate

Potential to bioaccumulate is low.

### Partition Coefficient n-octanol / water (log Kow)

**Product:** Log Kow: not applicable

### Mobility in Soil:

No data available.

### Known or predicted distribution to environmental compartments

disodium S,S'-hexane-1,6-  
diylidi(thiosulphate) dihydrate,  
disodium S,S-hexane-1,6-  
diylidi(thiosulphate) dihydrate  
white mineral oil

Log Koc:  $<$  -0.19 (OECD Test No. 106: Adsorption - Desorption Using a Batch Equilibrium Method)

No data available.

### Other Adverse Effects:

No data available.

## SECTION 13: Disposal considerations

### Waste treatment methods

#### General information:

The generation of waste should be avoided or minimized wherever possible.

**Disposal methods:** Dispose of waste and residues in accordance with local authority requirements. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## SECTION 14: Transport information

*Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.*

### DOT

Class not regulated

### IMDG - International Maritime Dangerous Goods Code

Class not regulated

### IATA

Class not regulated

## SECTION 15: Regulatory information

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

**This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.**

**WHMIS (Canada) Status:** controlled

**WHMIS (Canada) Hazard Classification:** D/2/B

### **SARA 311-312 Hazard Classification(s):**

immediate (acute) health hazard  
fire hazard

### **US EPCRA (SARA Title III) Section 313 - Toxic Chemical List**

NONE

**OSHA:** hazardous

**TSCA (US Toxic Substances Control Act):** All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act):** All components of this product are listed on the DSL. Any impurities present in this product are exempt from listing.

**MITI (Japanese Handbook of Existing and New Chemical Substances):** All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

**ECL (Korean Toxic Substances Control Act):** All components of this product are listed on the Korean inventory or otherwise comply with the Korean Toxic Substances Control Act.KE-33803

**Philippines Inventory (PICCS):** All components of this product are listed on the Philippine inventory or otherwise comply with PICCS.

**Inventory of Existing Chemical Substances in China:** All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

## SECTION 16: Other information

**HMIS® Hazard Ratings:** Health - 2, Flammability - 1, Chemical Reactivity - 0

*HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.*

**Revision Information:** Not relevant.

**Key literature references and sources for data:** No data available.

**Training information:** No data available.

**Issue Date:** 05/05/2015

**SDS No.:**

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.