

## SAFETY DATA SHEET

Preparation Date: 10/27/2016

Revision Date: 11/14/2016

Revision Number: G1

### 1. IDENTIFICATION

#### Product identifier

**Product code:** M1170  
**Product Name:** MERCURIC OXIDE, RED, POWDER, REAGENT, ACS

#### Other means of identification

**Synonyms:** Mercury monoxide; Mercury (II) oxide; Mercury (2+) oxide  
**CAS #:** 21908-53-2  
**RTECS #** OW8750000  
**CI#:** Not available

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

**Recommended use:** For manufacturing or laboratory use only. Chemical intermediate. Paints. In pigments.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000.

**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300

**Contact Person:** Martin LaBenz (West Coast)

**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

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

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

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

#### Label elements

**Danger**

#### **Hazard statements**

Fatal if swallowed

**Product code:** M1170

**Product name:** MERCURIC OXIDE,  
RED, POWDER, REAGENT, ACS

1 / 13

Fatal if inhaled  
Fatal in contact with skin  
Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May damage fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Very toxic to aquatic life with long lasting effects  
Very toxic to aquatic life

**Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Do not eat, drink or smoke when using this product  
Wear respiratory protection  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not get in eyes, on skin, or on clothing  
Do not breathe dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

*Immediately call a POISON CENTER or doctor/physician*

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.

IF ON SKIN: Wash with plenty of water

Take off contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

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

IF SWALLOWED: Rinse mouth.

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Mercuric Oxide Red	21908-53-2	100

## 4. FIRST AID MEASURES

### First aid measures

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.
- Skin Contact:** Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Centre immediately. Fatal in contact with skin.
- Eye Contact:** Flush eyes with water for 15 minutes. Call a physician or Poison Control Centre immediately. Call a physician immediately.
- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Call a physician or Poison Control Center immediately. Fatal if swallowed.

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

- Symptoms** Fatal if swallowed, in contact with skin or if inhaled. Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Mercury poisoning also causes sore gums, stomatitis, foul breath, loss of teeth, metallic taste in mouth, increased salivation, personality changes, tremors, fatigue, insomnia, dizziness, headache, muscle weakness, muscle or joint pain, memory loss, peripheral neuropathy. May affect the kidneys(renal failure), liver, blood, and brain.

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

- Notes to Physician:** Treat symptomatically.

### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable Extinguishing Media:** The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.
- Unsuitable Extinguishing Media:** No information available.

## **Specific hazards arising from the chemical**

### **Hazardous Combustion Products:**

If it is involved in a fire the following can be released:  
Mercury oxides.

### **Specific hazards:**

No information available.

## **Special Protective Actions for Firefighters**

### **Specific Methods:**

No information available.

### **Special Protective Equipment 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:**

Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Avoid breathing dust. Remove all sources of ignition.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

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

#### **Methods for containment**

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

#### **Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

#### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

#### **Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust. Avoid dust formation. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

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

#### **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials. Protect from light. Sensitive to light. Store in light-resistant containers.

#### **Incompatible Materials:**

Strong oxidizing agents  
Chlorine

Hydrogen peroxide  
Metals  
Reducing agents  
Powdered metals  
Phenols  
Strong acids  
Hydrazine hydrate  
Hydrogen trisulfide  
Acetyl nitrate  
Ethanol  
Combustible materials  
Alcohols  
Phosphine  
Acetylene  
Sulfur  
Organic materials

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### National occupational exposure limits

##### United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Mercuric Oxide Red	21908-53-2	None	0.01 mg/m <sup>3</sup> Ceiling (as Hg) 0.05 mg/m <sup>3</sup> TWA (vapor, as Hg)	0.025mg/m <sup>3</sup> TWA (as Hg)	None

##### Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Mercuric Oxide Red	21908-53-2	0.025 mg/m <sup>3</sup> TWA (as Hg)	0.025 mg/m <sup>3</sup> TWA (as Hg)	0.025 mg/m <sup>3</sup> TWA(as Hg)	0.025 mg/m <sup>3</sup> TWAEV(as Hg)

##### Australia and Mexico

Components	CAS-No.	Australia	Mexico
Mercuric Oxide Red	21908-53-2	None	0.05 mg/m <sup>3</sup> TWA (as Hg)

### Appropriate engineering controls

#### Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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

#### Personal Protective Equipment

Eye protection: Goggles

<b>Skin and body protection:</b>	Gloves. Chemical resistant apron. Long sleeved clothing.
<b>Respiratory protection:</b>	Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b> Solid	<b>Appearance:</b> Powder.	<b>Color:</b> Yellow-orange. to. Red.
<b>Odor:</b> Odorless.	<b>Taste</b> No information available.	<b>Formula:</b> HgO
<b>Molecular/Formula weight:</b> 216.59	<b>Flammability:</b> No information available	<b>Flashpoint (°C/°F):</b> No information available.
<b>Flash Point Tested according to:</b> Not available	<b>Autoignition Temperature (°C/°F):</b> No information available	<b>Lower Explosion Limit (%):</b> No information available
<b>Upper Explosion Limit (%):</b> No information available	<b>Melting point/range(°C/°F):</b> 500°C (932°F)	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> No information available	<b>Bulk density:</b> No information available	<b>Density (g/cm3):</b> 11.14
<b>Specific gravity:</b> 11.14	<b>pH:</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> No information available
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> No information available	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> No information available	<b>Viscosity:</b> No information available
<b>Miscibility:</b> No information available	<b>Solubility:</b> Very slightly soluble in cold water	

10. STABILITY AND REACTIVITY

Reactivity

Reactive with strong oxidizing agents

Chemical stability

<b>Stability:</b>	Sensitive to light. Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur
<b>Conditions to avoid:</b>	Heat. Exposure to light. Avoid dust formation. Incompatible materials.
<b>Incompatible Materials:</b>	Strong oxidizing agents Chlorine Hydrogen peroxide

Metals  
 Reducing agents  
 Powdered metals  
 Phenols  
 Strong acids  
 Hydrazine hydrate  
 Hydrogen trisulfide  
 Acetyl nitrate  
 Ethanol  
 Combustible materials  
 Alcohols  
 Phosphine  
 Acetylene  
 Sulfur  
 Organic materials

**Hazardous decomposition products:** Mercury/mercury oxides.

**Other Information**  
**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
 Skin. Eyes. Ingestion. Inhalation.

### Acute Toxicity

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

Mercuric Oxide Red	
CAS-No.	21908-53-2

LD50/oral/rat = 18 mg/kg Oral LD50 Rat  
 LD50/oral/mouse = 16 mg/kg  
 LD50/dermal/rabbit = 315 mg/kg  
 LD50/dermal/rat = No information available  
 LC50/inhalation/rat = No information available  
 LC50/inhalation/mouse = No information available  
 Other LD50 or LC50 information = No information available

### **Product Information**

LD50/oral/rat =  
 VALUE- Acute Tox Oral = 18 mg/kg

LD50/oral/mouse =  
 Value - Acute Tox Oral = 16 mg/kg

LD50/dermal/rabbit  
 VALUE-Acute Tox Dermal = 315 mg/kg

**Product code:** M1170

**Product name:** MERCURIC OXIDE,  
 RED, POWDER, REAGENT, ACS

**LD50/dermal/rat**

VALUE -Acute Tox Dermal = No information available

**LC50/inhalation/rat**

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

**LC50/Inhalation/mouse**

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

**Symptoms**

<b>Skin Contact:</b>	Fatal if absorbed through skin. Causes skin irritation. May cause allergic skin reaction.
<b>Eye Contact:</b>	Causes serious eye irritation.
<b>Inhalation</b>	Fatal if inhaled. May cause irritation of respiratory tract. May cause metallic taste. May cause nausea, vomiting. May cause abdominal pain.
<b>Ingestion</b>	Fatal if swallowed. High or repeated exposure can cause Mercury poisoning. Mercury poisoning causes sore gums, personality changes, tremor/"shakes" (often with shaky handwriting), clumsiness, fatigue, irritability and increased saliva. Other changes may include serious personality changes memory loss, extreme shyness, weakness, stomatitis, gingivitis, loss of teeth, gastrointestinal disturbances, metallic taste, poor appetite/anorexia, this, abdominal discomfort, nausea, vomiting, weight loss, central nervous system effects, "pins and needles" (peripheral neuropathy). Exposures can also affect the liver, cause kidney damage, and may cause decreased visual acuity, and affect peripheral vision (the ability to see to the side). Brain damage can occur, especially if exposure continues. There may be similar effects in cases of acute inhalation.
<b>Aspiration hazard</b>	No information available.

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

<b>Chronic Toxicity</b>	Skin: Prolonged or repeated skin contact may cause allergic skin reaction. Prolonged or repeated inhalation may affect the kidneys. Chronic exposure may cause central nervous system effects. Prolonged or repeated exposure may affect the eyes and vision. Inhalation/Ingestion: High or repeated exposure can cause Mercury poisoning. Mercury poisoning causes gastrointestinal upset/disturbances, inflammation of the mouth and gums, sore gums, metallic taste in the mouth, personality changes, tremors/shakes, clumsiness, fatigue, headache, dizziness or faintness, insomnia, irritability and increased saliva. Other changes may include memory loss, trouble concentrating, extreme shyness, joint or muscle pain, muscle weakness, stomatitis, gingivitis, loose teeth or loss of teeth, loss of appetite and weight. Exposure can also affect the liver, cause kidney damage, and may decrease visual activity. Brain damage can occur if exposure continues. Eye contact: brown staining in the eye without visual impairmentSkin: Repeated skin contact can make the skin gray. Dermatitis can also occur.
<b>Sensitization:</b>	May cause sensitization by skin contact.
<b>Mutagenic Effects:</b>	No information available

**Carcinogenic effects:** Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Mercuric Oxide Red	21908-53-2	Monograph 58 [1993] Mercury and Mercury compounds	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

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

**Reproductive toxicity** May damage fertility or the unborn child

**Reproductive Effects:** Experiments have shown reproductive toxicity effects on laboratory animals  
May impair fertility

**Developmental Effects:** May cause harm to the unborn child

**Teratogenic Effects:** No information available

#### **Specific Target Organ Toxicity**

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

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

**Target Organs:** Kidneys. Nervous system. Central nervous system. Eyes/vision.

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## **13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

#### **Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

#### **Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Mercuric Oxide Red	21908-53-2	None	None	None	None

## 14. TRANSPORT INFORMATION

### DOT

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Subsidiary Class:** No information available  
**Packing group:** II  
**Emergency Response Guide Number:** 151  
**Marine Pollutant:** Severe Marine Pollutant  
**DOT RQ (lbs):** No information available  
**Special Provisions:** IB8, IP2, IP4, T3, TP33  
**Symbol(s):** No information available  
**Description:** UN1641, Mercury oxide, 6.1, II

### TDG (Canada)

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant:** No Information available  
**Description:** UN1641, Mercury oxide, 6.1, II

### ADR

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Description:** UN1641, Mercury oxide, 6.1, II

### IMO / IMDG

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Marine Pollutant:** Marine Pollutant  
**EMS:** F-A  
**Description:** UN1641, Mercury oxide, 6.1, II

### RID

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN1641, Mercury oxide, 6.1, II

### ICAO

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**Description:** UN1641, Mercury oxide, 6.1, II

**IATA**

**UN-No:** UN1641  
**Proper Shipping Name:** Mercury oxide  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** II  
**ERG Code:** 6L  
**Special Provisions** No information available  
**Description:** UN1641, Mercury oxide, 6.1, II

**15. REGULATORY INFORMATION****International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Mercuric Oxide Red	21908-53-2	Present	Present KE-23130	Present	Present (1)-436	Present	Present	Present 244-654-7

**U.S. Regulations***Mercuric Oxide Red*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 2537  
**New Jersey (EHS) List:** 2537 500 lb TPQ  
**New Jersey - Discharge Prevention - List of Hazardous Substances:** Present  
**Pennsylvania RTK:** Environmental hazard  
**Pennsylvania RTK - Environmental Hazard List** Present  
**New York Release Reporting - List of Hazardous Substances:**  
1 lb RQ  
**California Directors List of Hazardous Substances:** Present (as Mercury compounds)

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.****Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Mercuric Oxide Red	21908-53-2	Not Listed	developmental toxicity (listed as Mercury compounds)	Not Listed	Not Listed

**CERCLA/SARA**

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Mercuric Oxide Red	21908-53-2	None	500 lb lower TPQ 10000 lb upper TPQ 500 lb EPCRA RQ	None	Mercury compounds	1%

**U.S. TSCA**

**Product code:** M1170

**Product name:** MERCURIC OXIDE,  
RED, POWDER, REAGENT, ACS

**11 / 13**

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Mercuric Oxide Red	21908-53-2	Not Applicable	Not Applicable

## Canada

### WHMIS hazard class:

D1A Very toxic materials

### Components

Mercuric Oxide Red

### WHIMHAZ

D1A

### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Mercuric Oxide Red	0.1 %

### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Mercuric Oxide Red	21908-53-2	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Mercuric Oxide Red	21908-53-2	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Mercuric Oxide Red	21908-53-2	Not listed

### EU Classification

#### R-phrases

R33 - Danger of cumulative effects.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.

#### S-phrases

S13 - Keep away from food, drink and animal feedingstuffs.

S28 - After contact with skin, wash immediately with plenty of water

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Mercuric Oxide Red	21908-53-2		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

### Indication of danger:

T+ - Very toxic.

N - Dangerous for the environment.

T+



N



## 16. OTHER INFORMATION

**Preparation Date:** 10/27/2016  
**Revision Date:** 11/14/2016  
**Prepared by:** Roumann Pangilinan

**Disclaimer:** All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**