

SAFETY DATA SHEET

Preparation Date: 4/22/2019

Revision date 4/22/2019

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: SPE001262100
Product Name: Potassium Dichromate, 0.200 N

Other means of identification

Synonyms: No information available
CAS #: Mixture
RTECS # Not available
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: No information available.
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: Tom Tyner (USA - West Coast)
Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

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

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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1

Label elements

Danger

Hazard statements
 Causes skin irritation

Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May damage fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Wear respiratory protection
Avoid breathing mist or vapors
Contaminated work clothing must not be allowed out of the workplace
Do not eat, drink or smoke when using this product

Precautionary Statements - Response

IF exposed or concerned: Get medical attention
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 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 attention
IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Water	7732-18-5	99
Potassium Dichromate	7778-50-9	1

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.

- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes skin irritation
 - Moderate skin irritation
 - Causes serious eye irritation
 - May cause an allergic skin reaction
 - May cause allergic respiratory reaction
 - It may affect the kidneys
 - May cause digestive (gastrointestinal) tract irritation
 - May affect the blood
 - May cause abdominal pain, nausea, vomiting, diarrhea
 - May cause methemoglobinemia and cyanosis
 - Anemia

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 No information available.

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: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. 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. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. 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. Keep in a well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials:

Strong reducing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Potassium Dichromate	7778-50-9	5 ug/m ³ TWA (listed as Chromium compounds) 0.1 mg/m ³ Ceiling (listed as chromates)	0.0002 TWA (as Cr (chromium (VI) compounds)	0.05 mg/m ³ TWA(as Cr)	None

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
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Water	7732-18-5	None	None	None	None
Potassium Dichromate	7778-50-9	0.05 mg/m ³ TWA(as Cr)	0.1 mg/m ³ Ceiling (as Cr)	0.05 mg/m ³ TWA(as Cr)	0.05 mg/m ³ TWAEV (as Cr)

Australia and Mexico

Component	CAS No	Australia	Mexico
Water	7732-18-5	None	None
Potassium Dichromate	7778-50-9	0.05 mg/m ³ TWA(as Cr)	0.05 mg/m ³ TWA (as Chromium (VI) compounds - water soluble)

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Long sleeved clothing
Chemical resistant apron
Gloves

Respiratory protection: Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid

Appearance:

Clear.

Color:

Orange.

Odor:

Odorless.

Taste

No information available.

Formula

No information available

Molecular/Formula weight (g/mole):

No information available

Flammability (solid, gas)

no data available

Flashpoint (°C/°F):

No information available

Flash Point Tested according to:

Not available

Autoignition Temperature (°C/°F):

No information available

Lower Explosion Limit (%):

No information available

Upper Explosion Limit (%):

No information available

Melting point/range(°C/°F):

No information available

Decomposition temperature(°C/°F):

No information available

Boiling point/range(°C/°F):

No information available

Bulk density:

No information available

Density (g/cm³):

1.0

Specific gravity:
1.01

pH
No information available

Vapor pressure @ 20°C (kPa):
No information available

Evaporation rate:
No information available

Vapor density:
No information available

VOC content (g/L):
No information available

Odor threshold (ppm):
No information available

**Partition coefficient
(n-octanol/water):**
No information available

Viscosity:
No information available

Miscibility:
No information available

Solubility:
Freely soluble in water

10. STABILITY AND REACTIVITY

Reactivity
Reacts with reducing agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Incompatible materials.

Incompatible Materials: Strong reducing agents

Hazardous decomposition products: Hexavalent Chromium.

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:
Inhalation. Ingestion. Skin.

Acute Toxicity

Component Information

Water

CAS No 7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
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

Potassium Dichromate	
CAS No	7778-50-9

LD50/oral/rat = = 48 mg/kg Oral LD50 Rat = 25 mg/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = 1150 mg/kg Dermal LD50 Rabbit
LD50/dermal/rat = = 1150 mg/kg Dermal LD50 = 99 mg/m³ Inhalation LC50 = 48 mg/kg Oral LD50 = 25 mg/kg Oral LD50 = 14 mg/kg Dermal LD50
LC50/inhalation/rat = 0.099 mg/liter/4 hours
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
Value - Acute Tox = No information available

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
Value - Acute Tox = No information available

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

Skin Contact: Causes skin irritation. Moderately irritating to the skin.

Eye Contact: Causes serious eye irritation. Moderately irritating to the eyes.

Inhalation Irritating to respiratory system.

Ingestion May cause digestive (gastrointestinal) tract irritation. May cause abdominal pain, nausea, vomiting, diarrhea. For Ingestion of Potassium Dichromate:It may also affect the cardiovascular system, urinary system (kidney damage - nephritis with glycosuria, acute tubular necrosis, renal failure), liver (elevated liver enzyme levels, hepatitis, hepatic failure), behavior/central nervous system/nervous system (somnolence, ataxia, vertigo, muscle cramps). Ingestion of large amounts of Potassium dichromate may also cause anemia, methemoglobinemia (characterized by dizziness, drowsiness, headache, shortness of breath, cyanosis with bluish skin, rapid heart rate and chocolate-brown colored blood), thrombocytopenia.

Aspiration hazard No information available.

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

Chronic Toxicity

Skin: Prolonged or repeated skin contact may cause allergic skin reaction.
 Prolonged or repeated inhalation may cause allergic reaction. Ingestion:
 Hexavalent chromium has been reported to cause liver and kidney damage with chronic exposure. Chronic ingestion may also affect the blood and cause anemia, methemoglobinemia (characterized by dizziness, drowsiness, headache, shortness of breath, cyanosis with bluish skin, rapid heart rate and chocolate-brown colored blood), thrombocytopenia, and may affect metabolism (weight loss). Prolonged exposure may also cause erosion and discoloration of teeth.

Sensitization:

May cause sensitization by inhalation and skin contact.

Mutagenic Effects:

For Potassium dichromate:
 Mutations in microorganisms
 Experiments with bacteria and/or yeast have shown mutagenic effects
 Mutagenic effects in mammalian somatic cells
 Cytogenic analysis - hamster ovary
 DNA damage - hamster ovary
 Cytogenic Analysis: human lymphocyte
 Cytogenic analysis (hamster lung)

Carcinogenic effects:

May cause cancer.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed
Potassium Dichromate	7778-50-9	Monograph 49 [1990] Chromium[VI] Supplement 7 [1987] Monograph 23 [1980] Monograph 2 [1973]	A1 - Confirmed Human Carcinogen (for Chromium (VI) water soluble inorganic compounds	Known Human Carcinogen Chromium hexavalent compounds	Present	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

*IARC (International Agency for Research on Cancer)
 Group 1 - Carcinogenic to Humans
 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:

No information available

Developmental Effects:

No information available

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:

Skin. Respiratory system. Liver. Kidneys. Blood.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Potassium Dichromate - 7778-50-9

Fish LC50: >139mg/L (96h, Cyprinus carpio) LC50: 113.6 - 155.7mg/L (96h, Lepomis macrochirus) LC50: =320mg/L (96h, Lepomis macrochirus) LC50: 65.6 - 137.6mg/L (96h, Lepomis macrochirus) LC50: =12.3mg/L (96h, Oncorhynchus mykiss) LC50: 21.209 - 30.046mg/L (96h, Oryzias latipes) LC50: 15.41 - 30.36mg/L (96h, Pimephales promelas) LC50: 14 - 20.9mg/L (96h, Pimephales promelas) LC50: 24.81 - 34.55mg/L (96h, Poecilia reticulata) LC50: 23 - 41.2mg/L (96h, Poecilia reticulata) LC50: =26mg/L (96h, Morone saxatilis)

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility in soil No information available

Other adverse effects 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

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Water	7732-18-5	None	None	None	None
Potassium Dichromate	7778-50-9	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class No information available
Subsidiary Class No information available
Packing group: No information available
Emergency Response Guide Number No information available
Marine Pollutant No data available
DOT RQ (lbs): No information available
Special Provisions No Information available
Symbol(s): No information available
Description: No information available

TDG (Canada)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class No information available
Subsidiary Risk: No information available

Packing Group: No information available
Marine Pollutant Description: No information available

ADR

UN Number: Not regulated
Proper Shipping Name: No information available
Transport hazard class(es): No information available
Packing group: No information available
Subsidiary Risk: No information available

IMDG

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No information available

RID

UN Number: Not Regulated
Proper Shipping Name: No information available
Transport hazard class(es): No information available
Subsidiary Risk: No information available
Packing group: No information available

ICAO (air)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

IATA

UN Number: Not Regulated
Proper Shipping Name: No information available
Transport hazard class(es): No information available
Subsidiary Risk: No information available
Packing group: No information available
Precautionary Statements - Response: No information available
Special Provisions: No information available

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Water	7732-18-5	PresentACTIVE	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
Potassium Dichromate	7778-50-9	PresentACTIVE	Present KE-29094	Present	Present (1)-278	Present	Present	Present 231-906-6

U.S. Regulations

Potassium Dichromate
Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1564
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:
 10 lb RQ
Louisiana Reportable Quantity List for Pollutants: 100 lb. RQ (Listed as chromium compounds)
California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

⚠️ WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

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

⚠️ WARNING: This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Potassium Dichromate	7778-50-9	carcinogen (chromium compounds, hexavalent)	Developmental toxicity (listed as Chromium (VI) compounds, hexavalent)	Male reproductive toxicity (listed as chromium hexavalent compounds)	Female reproductive toxicity (listed as Chromium hexavalent compounds)

CERCLA/SARA

Component	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
Water	7732-18-5	None	None	None	None	None
Potassium Dichromate	7778-50-9	10 lb final RQ 4.54 kg final RQ	None	None	Chromium compounds	0.1%

U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Water	7732-18-5	Not Applicable	Not Applicable
Potassium Dichromate	7778-50-9	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
 Water
 7732-18-5 (99)
 Potassium Dichromate
 7778-50-9 (1)

WHMIS 2015 Hazard Classification
 Not a dangerous product according to HPR classification criteria

Oxidizing solids - Undefined: Oxidizing solids - undefined category (hazard class was established from consulted scientific literature but did not allow to specify hazard category); Acute toxicity - Oral - Category 3: H301 Toxic if swallowed. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Acute toxicity - Dermal - Category 4: H312 Harmful

in contact with skin. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Acute toxicity - Inhalation - Category 2: H330 Fatal if inhaled. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Skin corrosion/irritation - Category 2: H315 Causes skin irritation. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Serious Eye Damage/Eye Irritation - Category 2: H319 Causes serious eye irritation. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Respiratory sensitizers - Category 1: H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Skin sensitizers - Category 1A: H317 May cause allergic skin reaction. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Germ cell mutagenicity - Category 1B: H340 May cause genetic defects. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Carcinogenicity - Category 1A: H350 May cause cancer. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Reproductive Toxicity - Category 1B: H360 May damage fertility or the unborn child. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds); Reproductive Toxicity - Category 2: H361 Suspected of damaging fertility or the unborn child. (classification is based on available data for water-soluble Hexavalent chromium (Cr(VI)) compounds)

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Potassium Dichromate	7778-50-9	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Potassium Dichromate	7778-50-9	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Potassium Dichromate	7778-50-9	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Water	7732-18-5	
Potassium Dichromate	7778-50-9	Oxidizing solids - Ox. Sol. 2: H272 May intensify fire, oxidizer.; Acute toxicity - Oral - Acute Tox. 3: H301 Toxic if swallowed. (Minimum classification); Acute toxicity - Dermal - Acute Tox. 4: H312 Harmful in contact with skin. (Minimum classification); Acute toxicity - Inhalation - Acute Tox. 2: H330 Fatal if inhaled. (Minimum

		<p>classification); Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage.;</p> <p>Respiratory sensitizers - Resp. Sens. 1: H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.;</p> <p>Skin sensitizers - Skin Sens. 1: H317 May cause allergic skin reaction.;</p> <p>Germ cell mutagenicity - Muta. 1B: H340 May cause genetic defects.;</p> <p>Carcinogenicity - Carc. 1B: H350 May cause cancer.;</p> <p>Reproductive Toxicity - Repr. 1B: H360FD May damage fertility. May damage the unborn child.;</p> <p>Specific target organ toxicity - Repeated exposure - STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure. (No information to prove exclusion of certain routes of exposure);</p> <p>Hazardous to aquatic environment - acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life.;</p> <p>Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.024-002-00-6</p> <p>Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (C >= 5 %)024-002-00-6</p>
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EU - CLP (1272/2008)

R-phrase(s)

- R45 - May cause cancer
- R46 - May cause heritable genetic damage
- R60 - May impair fertility
- R61 - May cause harm to the unborn child
- R20 - Harmful by inhalation
- R42/43 - May cause sensitization by inhalation and skin contact
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S -phrase(s)

- S53 - Avoid exposure - obtain special instructions before use
- 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.

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Potassium Dichromate	7778-50-9	Xn; R21 T; R25-48/23 T+; R26 C; R34 R42/43 Carc.Cat.2; R45 Muta.Cat.2; R46 N; R50-53	10%<=C C; R34 5%<=C<10% Xi; R36/37/38	S53 S45 S60 S61

		Repr.Cat.2; R60-61 O; R8		
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

T - Toxic

Xn - Harmful

N - Dangerous for the environment



16. OTHER INFORMATION

Preparation Date: 4/22/2019
Revision date 4/22/2019
Prepared by: Sonia Owen

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