SAFETY DATA SHEET

Preparation Date: No data available **Revision Date:** 04/27/2015 **Revision Number:** G1

Product identifier

Product code: C1270
Product Name: CHROMIUM TRIOXIDE, CRYSTAL, REAGENT, ACS

Other means of identification

Synonyms: Chromium (VI) Oxide; Chromic anhydride; Chromium (6+) Trioxide; Monochromium trioxide; Puratronic chromium trioxide; Chromium (6+) trioxide; Chromium oxide (CrO3); Chromia (CrO3); Chromic acid, solid
CAS #: 1333-82-0
RTECS # GB6650000
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 Chemicals and Laboratory Products, Inc.
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

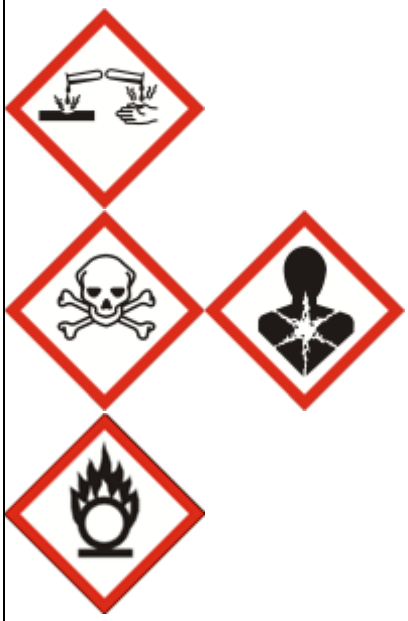
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Gases)	Category 1
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1B
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1
Oxidizing solids	Category 1

Label elements

Danger

Hazard statements
Toxic if swallowed
Toxic in contact with skin
Fatal if inhaled
Causes severe skin burns and eye damage
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
Suspected of damaging fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure
May cause fire or explosion; strong oxidizer



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
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep/Store away from clothing/ .? /combustible materials
Take any precaution to avoid mixing with combustibles .?
Wear fire/flame resistant/retardant clothing

Precautionary Statements - Response
Specific treatment (see .? on this label)
Specific treatment is urgent (see .? on this label)
Immediately call a POISON CENTER or doctor/physician
Specific treatment (see .? on this label)
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. In case of fire: Use CO_2, dry chemical, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Wash contaminated clothing before reuse
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes
Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth
Do NOT induce vomiting

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 %	Trade Secret
Chromium Trioxide 1333-82-0	1333-82-0	100	*

4. FIRST AID MEASURES

First aid measures

General Advice: Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126)

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. Immediate medical attention is required. Call a physician or Poison Control Centre immediately. Toxic in contact with skin.

Eye Contact: Flush eye with water for 15 minutes. Immediate medical attention is required. 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. Toxic if swallowed.

Most important symptoms and effects, both acute and delayed

Symptoms Causes severe skin burns. Causes eye damage. Fatal if inhaled. May cause allergic skin reaction. May cause cancer. May cause heritable genetic damage in humans. Suspected of damaging fertility or the unborn child. Toxic if swallowed. Toxic in contact with skin.

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.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: No information available.

Specific hazards: Explosive in presence of open flames and sparks, of heat, of organic materials.
Arsenic reacts with Chromium trioxide with incandescence.
A violent reaction or flaming is likely in the reaction of chromium oxide and aluminum powder.
Benzene ignites on contact with chromium trioxide.
Reacts with Sodium or Potassium with incandescence.
A mixture of chromium trioxide, and sulfur ignites on warming.
Ignites on contact with alcohols, acetic anhydride + tetrahydronaphthalene, acetone, butanol, chromium (II) sulfide, cyclohexanol, dimethyl formamide, ethanol, ethylene glycol, methanol, 2-propanol, pyridine.
Contact with combustible or organic materials may cause fire.
An explosion can occur when Chromium trioxide is mixed with potassium ferricyanide when dust is ignited by a spark.
Chromium trioxide + potassium permanganate will explode.
Can react explosively with acetic anhydride + heat, acetic acid + heat, ethyl acetate, isoamyl alcohol, benzaldehyde, benzene, benzylthylaniline, butraldehyde, 1,3-dimethylhexahydropyrimidone, diethyl ether, ethyl acetate, isopropyl acetate, methyl dioxane, pelargonic acid, pentyl acetate, phosphorus + heat, propionaldehyde, and other organic materials or solvents

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. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition. Keep combustibles (wood, paper, oil, clothing, etc.) away from spilled material. Do not get water inside containers.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering 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 Neutralize the residue with a dilute solution of sodium carbonate. Sweep up and shovel into suitable containers for disposal. 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. Do not allow contact with water. Remove all sources of ignition.

Safe Handling Advice:
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapours/dust. Handle in accordance with good industrial hygiene and safety practice. Keep away from combustible material.

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 away from incompatible materials. Keep away from heat and sources of ignition. Deliquescent.

Incompatible Materials:
Acids. Alkalis. Combustible materials. Metals. Organic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Chromium Trioxide - 1333-82-0	None	0.0002 mg/m^3 TWA Cr	None	None

Canada

Components	Alberta	British Columbia	Ontario	Quebec
Chromium Trioxide - 1333-82-0	None	None	None	None

Australia and Mexico

Components	Australia	Mexico

Chromium Trioxide 1333-82-0	None	None

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. 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: Safety glasses. Safety glasses with side-shields.

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

Respiratory protection: Effective dust mask. Wear respirator with dust filter..

Hygiene measures: 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Solid.

Appearance:
Deliquescent. Flakes. Powder.

Color:
Dark red.

Odor:
Odorless.

Taste
No information available

Molecular/Formula weight:
99.99

Formula:
CrO_3

Flash point (°C):
No data available

Flashpoint (°C/°F):
No information available.

Flash Point Tested according to:
Not available

Lower Explosion Limit (%):
No information available

Upper Explosion Limit (%):
No information available

Autoignition Temperature (°C/°F):
No information available

pH:
1.1

Melting point/range(°C/°F):
197°C/386.6°F

Boiling point/range(°C/°F):
No information available

Decomposition temperature(°C/°F):
No information available

Bulk density:
No information available

Specific gravity:
No information available

Density (g/cm3):
2.7

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:
Easily soluble in cold water
Easily soluble in hot water
Soluble in Acetic acid
Soluble in Acetone
Soluble in diethyl ether
Soluble in ethyl alcohol
Soluble in Nitric acid
Soluble in Sulfuric acid
Solubility in Water: 61.7g/100mL water @ 0°C; 67.45g/100mL water @ 100°C

10. STABILITY AND REACTIVITY

Reactivity

Reactive with reducing agents, combustible materials, organic materials, metals, acids, alkalis.
Hygroscopic.
Incompatible with alcohol, spirit nitrous ether, almost every organic substance, bromides, chlorides, iodides, hypophosphites, sulfites, sulfides, hydrocarbons, ketones, methanol, furfuryl, ethylene glycol, glycerol, bromine pentafluoride, hydrogen sulfide, butanol, isobutanol, acetaldehyde, propionaldehyde, butylaldehyde, benzaldehyde, benzene, perlargonic acid, isopropyl acetate, pentyl acetate, methyldioxane, dimethyldioxane, acetone, acetic anhydride, alkali metals, halogns, dimethyl formamide, diethyl formamide, pyridine, benzylethlyaniline, oils, greases or any easily oxidizable material.
Acetylene is oxidized violently.
Reacts violently with diethyl ether.
It will reactly violently with naphthalene, camphor, glycerol, or turpentine.
It will ignite ethyl alcohol.
Selenium reacts violently with Chromium Trioxide.
Can react violently with most metal powders, ammonia, ammonium salts, phosphorus, sulfur, acids, finely divided organic compounds, flammable liquids.

Chemical stability

Stability: Deliquescent. Stable at normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials. Exposure to moisture.

Incompatible Materials: Acids. Alkalis. Combustible materials. Metals. Organic materials.

Hazardous decomposition products: No information available

Other Information

Corrosivity: Corrosive because of oxidizing potency
Corrosive to some metals

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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

Acute Toxicity

Component Information

Chromium Trioxide - 1333-82-0

LD50/oral/rat = 50-80 mg/kg Oral LD50 Rat
LD50/oral/mouse = 127 mg/kg
LD50/dermal/rat = 55 mg/kg Dermal LD50 Rat
LD50/dermal/rabbit = 20 mg/kg Dermal LD50Rabbit
LC50/inhalation/rat = 0.217 mg/L Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = No infomation available
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 50-80mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 127mg/kg

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 20mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = 55mg/kg

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: Toxic in contact with skin. May cause allergic skin reaction. Causes skin irritation and possible burns. Contact with broken skin may lead to formation of firmly marginated and deep perforating sores known as "chrome sores." Dermal absorption of large amounts may affect behavior/central nervous system (somnolence) and may result in kidney failure.

Eye Contact: Corrosive to the eyes and may cause severe damage including blindness.

Inhalation Fatal if inhaled. Causes irritation of the respiratory tract with possible burns. May cause severe burns of the nasal septum and respiratory tract, perforation of the nasal septum, congestion, and pulmonary edema.

Ingestion Toxic if swallowed. Causes digestive/gastrointestinal tract (mouth, throat, and stomach) irritation or burns with violent epigrastic pain, nausea, vomiting and severe diarrhea. May cause tissue destruction resulting in hemorrhaging, circulatory collapse, unconciousness and possible death. May affect respiration (cyanosis), blood (anemia, thrombocytopenia) May cause kidney failure and liver damage.

Aspiration hazard No information available

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

Chronic Toxicity Skin: Repeated or prolonged skin contact may cause allergic contact dermatitis (allergic skin reaction). May also cause slow-healing skin ulcers ("chrome sores"), particularly if skin is broken.
Eyes: Repeated or prolonged eye contact may cause conjunctivitis.
Inhalation: Repeated or prolonged inhalation may cause allergic respiratory reaction. It may cause chronic respiratory tract irritation with chronic rhinitis, hyperemia, chronic catarrh, congestion of the larynx, inflammation of the larynx, polyps of the upper respiratory tract, chronic inflammation of the lungs, emphysema, tracheitis, chronic bronchitis, bronchospasm (asthma), chronic pharyngitis, bronchopneumonia, ulceration and perforation of the nasal septum.
Ingestion: Repeated or prolonged ingestion may cause nausea, vomiting, loss of appetite, kidney damage, inflammation of the liver or even hepatitis with jaundice, leukocytosis, leukopenia, monocytosis, and eosinophilia.
Medical Conditions Aggravated by Exposure: Persons with cuts or scratches on their hands or other skin surfaces risk developing ulcers on skin contact.

Sensitization: May cause sensitization by skin contact

Mutagenic Effects: Experiments with bacteria and/or yeast have shown mutagenic effects
Mutagenic effects in mammalian somatic cells
May affect genetic material

Carcinogenic effects: May cause cancer. Epidemiological studies indicate long term exposure to dusts and mists at levels above the current PEL in chrome processing is associated with increases in respiratory tract cancer in man.

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances

Chromium Trioxide	Not listed	Monograph 49 [1990] Chromium[VI] Supplement 7 [1987] Monograph 23 [1980] Monograph 2 [1973]	Known Human Carcinogen Chromium hexavalent compounds	Present	Not listed	Not listed

Reproductive toxicity No data is available

Reproductive Effects: May cause adverse reproductive effects.
Developmental Effects: No information available
Teratogenic Effects: May cause birth defects (teratogenic effects)

Specific Target Organ Toxicity

STOT - single exposure No information available
STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.
Target Organs: Eyes. Gastrointestinal tract. Kidneys. Liver. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Chromium Trioxide - 1333-82-0
Freshwater Fish Species Data: 40 mg/L LC50 Colisa fasciatus 96 h static 1

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	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Chromium Trioxide	None	None	None	None

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION

DOT

UN-No:	UN1463
Proper Shipping Name:	Chromium trioxide, anhydrous
Hazard Class:	5.1
Subsidiary Risk:	6.1, 8
Packing Group:	II
ERG No:	141
Marine Pollutant	No data available
DOT RQ (lbs):	No information available

Symbol(s):

TDG (Canada)

UN-No:	UN1463
Proper Shipping Name:	Chromium trioxide, anhydrous
Hazard Class:	5.1
Subsidiary Risk:	(6.1), (8)
Packing Group:	II
Description:	No information available

ADR

UN-No:	UN1463
Proper Shipping Name:	Chromium trioxide, anhydrous
Hazard Class:	5.1
Packing Group:	II
Subsidiary Risk:	6.1 + 8
Classification Code:	No information available
Description:	No information available
CEFIC Tremcard No:	No information available

IMO / IMDG

UN-No:	UN1463
Proper Shipping Name:	Chromium trioxide, anhydrous
Hazard Class:	5.1
Subsidiary Risk:	6.1, 8
Packing Group:	II
Description:	No information available
IMDG Page:	No information available
Marine Pollutant	No information available
EMS:	F-A
MFAG:	No information available
Maximum Quantity:	No information available

RID

UN-No:	UN1463
Proper Shipping Name:	Chromium trioxide, anhydrous
Hazard Class:	5.1
Subsidiary Risk:	6.1 + 8
Packing Group:	II
Classification Code:	No information available
Description:	No information available

ICAO

UN-No:	UN1463
Proper Shipping Name:	Chromium trioxide, anhydrous
Hazard Class:	5.1
Subsidiary Risk:	6.1, 8

14. TRANSPORT INFORMATION

Packing Group: II
Description: No information available

IATA

UN-No: UN1463
Proper Shipping Name: Chromium trioxide, anhydrous
Hazard Class: 5.1
Subsidiary Risk: 6.1, 8
Packing Group: II
ERG Code: 5CP
Description: No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Chromium Trioxide	Present R	Present KE-06020	Present	Present (1)-284	Present	Present	Present 215-607-8

U.S. Regulations

Chromium Trioxide

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 0437
Pennsylvania RTK: Special hazardous substance
Pennsylvania RTK - Special 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 contains a chemical known to the State of California to cause cancer. (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	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Chromium Trioxide	carcinogen (listed as Chromium (hexavalent compounds))	Developmental toxicity (listed as Chromium (hexavalent compounds))	Male Reproductive toxicity (listed as Chromium (hexavalent compounds))	Female Reproductive toxicity (listed as Chromium (hexavalent compounds))

CERCLA/SARA

Components	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*
Chromium Trioxide	None	None	None	None	None

U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Chromium Trioxide	Not Applicable	Not Applicable

Canada

WHMIS hazard class:
C Oxidizing materials
D1A Very toxic materials
D2A Very toxic materials
E Corrosive material
D2B Toxic materials

Chromium Trioxide
C D1A D2A D2B E

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 -
Chromium Trioxide	0.1 %

Inventory

Components	Canada (DSL)	Canada (NDSL)
Chromium Trioxide	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Manditory Reporting
Chromium Trioxide	Not listed	Not listed

EU Classification

R-phrase(s)
R 9 - Explosive when mixed with combustible material.
R26 - Very toxic by inhalation.
R35 - Causes severe burns.
R45 - May cause cancer.
R46 - May cause heritable genetic damage.
R62 - Possible risk of impaired fertility.
R24/25 - Toxic in contact with skin and if swallowed.
R42/43 - May cause sensitization by inhalation and skin contact.
R48/23 - Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S -phrase(s)
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53 - Avoid exposure - obtain special instructions before use.
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	Classification	Concentration Limits:	Safety Phrases

Chromium Trioxide	T; R24/25-48/23 T+; R26 C; R35 R42/43 Carc.Cat.1; R45 Muta.Cat.2; R46 N; R50-53 Repr.Cat.3; R62 O; R9	10%<=C: C; R:35 5%<=C<10%: C; R:34 1%<=C<5%: Xi; R:36/37/38	S53 S45 S60 S61

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

Indication of danger:
C - Corrosive.
O - Oxidising.
T+ - Very toxic.

16. OTHER INFORMATION

Revision Date: 04/27/2015
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