

SAFETY DATA SHEET

Preparation Date: 03/23/2015

Revision Date: 02/02/2018

Revision Number: G3

1. IDENTIFICATION

Product identifier

Product code: P1280
Product Name: POTASSIUM CYANIDE, TECHNICAL

Other means of identification

Synonyms: No information available
CAS #: 151-50-8
RTECS # TS8750000
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: 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 (Gases)	Category 2
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity (repeated exposure)	Category 1
Corrosive to metals	Category 1

Label elements

Danger

Hazard statements

Fatal if swallowed

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Fatal in contact with skin
Fatal if inhaled
Causes serious eye irritation
Causes damage to organs
Causes damage to organs through prolonged or repeated exposure
May be corrosive to metals



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Contact with acid liberates toxic gas
Very toxic to aquatic life with long lasting effects
Very toxic to aquatic life

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not get in eyes, on skin, or on clothing
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear respiratory protection
Keep only in original container

Precautionary Statements - Response

Absorb spillage to prevent material damage
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.
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of water
Remove/Take off immediately all contaminated clothing
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Store in corrosive resistant/ .? container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Potassium Cyanide	151-50-8	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.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Immediate medical attention is required.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.
- 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.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes serious eye irritation
 - Central nervous system effects
 - Central nervous system depression
 - May cause nausea and vomiting
 - May affect the cardiovascular system
 - It may affect the thyroid
 - It may affect the kidneys
 - May affect the liver
 - May cause metabolic acidosis
 - Bitter almond odor from mouth
 - Pupillary dilation

Indication of any immediate medical attention and special treatment needed

- Notes to Physician:** Antidote: Always have a Cyanide Antidote Kit (Package) when working with cyanide compounds. Get medical advice on how to use it and when it should be used. If cyanide gas is inhaled, break an Amyl nitrate pearl in a cloth and hold it lightly under the nose for 15 seconds. Repeat 5 times at about 15 second intervals. Use artificial respiration if breathing has stopped. If cyanide is swallowed, use Amyl nitrate as previously stated for 15 seconds. Nithidote Kit or Hydroxocobalamin (Cyanokit) are alternate approved treatments. Oxygen therapy may be useful in combination with the above.

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

Product code: P1280

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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:

Do not use a solid (straight) water stream as it may scatter and spread fire. CO₂.

Specific hazards arising from the chemical

Hazardous Combustion Products:

If it is involved in a fire the following can be released:
Hydrogen cyanide. Nitrogen Oxides.

Specific hazards:

Contact with acids or acid salts causes immediate formation of toxic and flammable hydrogen cyanide gas. Chlorates + potassium cyanide explode when heated. Potassium cyanide + nitrites may cause explosion. Nitrogen trichloride explodes on contact with potassium cyanide. Potassium cyanide + hydrogen cyanide is a friction and impact-sensitive explosive and may initiate detonation of liquid hydrogen cyanide. Mercuric nitrate + potassium cyanide explodes when heated and contained in narrow ignition tubes. Perchloryl fluoride + potassium cyanide causes an explosive reaction at 100-300°C. Potassium cyanide + ammoniacal silver, following heating, shock or standing can cause an explosion. Heating of potassium cyanide & chromium tetraoxide can cause an explosion. Mixtures of metal cyanides with metal chlorates, perchlorates, or nitrates causes a violent explosion.

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. Do not get water inside containers. Remove all sources of ignition.

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 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. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust. 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 away from incompatible materials.

Incompatible Materials:

Strong oxidizing agents
Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Potassium Cyanide	151-50-8	None	4.7 ppm Ceiling (as CN, 10 min.) 5 mg/m ³ Ceiling (as CN, 10 min.)	5 mg/m ³ Ceiling (as CN, listed under Hydrogen cyanide and cyanide salts)	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Potassium Cyanide	151-50-8	5 mg/m ³ Ceiling (as	5 mg/m ³ Ceiling (as	5 mg/m ³ Ceiling (as	None

		CN, listed under Cyanide and Cyanide salts)	CN, listed under Cyanide and Cyanide salts)	CN, listed under Cyanide and Cyanide salts)	
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Australia and Mexico

Components	CAS-No.	Australia	Mexico
Potassium Cyanide	151-50-8	5 mg/m ³ TWA (as CN,listed under cyanides)	5 mg/m ³ Ceiling (as CN)

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: Goggles or Safety glasses with side-shields

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

Respiratory protection: Effective dust mask. or. 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

Physical state:
Solid

Appearance:
Crystalline. Granular.

Color:
White.

Odor:
Almond-like.

Taste
No information available.

Formula:
KCN

Molecular/Formula weight:
65.12

Flammability:
No information 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):
634.5°C/1174.1°F

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

Boiling point/range(°C/°F):
1625°C/2957°F

Bulk density:
No information available

Density (g/cm³):
No information available

Specific gravity:
1.553

pH:
11

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

Evaporation rate:

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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 hot water
Soluble in cold water
Partially soluble in methanol
Very slightly soluble in ethanol
(0.57g/100g @ 19.5°C)
Solubility in hydroxylamine 41g/100g @
7.5°C
Solubility in formamide: 146 g/l @ 25°C
Solubility in Water: Soluble in 2 parts of
cold, 1 part boiling water.
Soluble in 2 parts of glycerol.
Soluble in 25 parts of methanol
(4.91g/100g methanol @ 19.5°C)
Solubility in liquid sulfur dioxide:
0.017g/100g @ 0°C
Solubility in dimethylformamide:
0.22g/100g @ 25°C
Solubility in anhydrous liquid ammonia:
4.55g/100g @ -33.9°C

10. STABILITY AND REACTIVITY

Reactivity

Reactive with acids

Reactive with oxidizing agents

Reacts with acids releasing hydrogen cyanide gas. Potassium cyanide is decomposed slowly by water. Some hydrogen cyanide gas is released when potassium cyanide is dissolved in and reacts with water. In water of neutral pH, not enough hydrogen gas is released to be dangerous, except in closed spaces. However, if the water is acidic, significant amounts of hydrogen cyanide gas may be released. Toxic gases and vapors (such as hydrogen cyanide and carbon monoxide) may be released when potassium cyanide decomposes. Cyanide may react with carbon dioxide in air to form toxic hydrogen cyanide gas. Incompatible with acids, acid syrups, alkaloids, chloral hydrate, iodine, metallic salts, permanganates, chlorates, peroxides, nitrites, mercuric nitrate, perchloryl fluoride, chromium tetraoxide, ammoniacal silver. Chlorates plus potassium cyanide explode when heated. A mixture of potassium cyanide and nitrites may cause explosion. Nitrogen trichloride explodes on contact with potassium cyanide. Potassium cyanide is readily oxidized by heating to potassium cyanate in the presence of oxygen or easily reduced oxides.

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Incompatible materials. Exposure to air. Exposure to water.

Incompatible Materials: Strong oxidizing agents
Acids

Hazardous decomposition products: No information available.

Other Information

Corrosivity: No information available

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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

Potassium Cyanide	
CAS-No.	151-50-8

LD50/oral/rat = 7.49 mg/kg Oral LD50 Rat; 5 mg/kg Oral LD50 Rat

LD50/oral/mouse = 8500 µg/kg Oral LD50 Mouse

LD50/dermal/rabbit = 22.3 mg/kg Dermal LD50 (LOLI); 14.3-33.3 mg/kg (EU Chemicals Bureau IUCLID dataset)

LD50/dermal/rat = 20-200 mg/kg (EU Chemical Bureau IUCLID dataset)

LC50/inhalation/rat = 0.16 mg/L Inhalation LC50 Rat 1 h

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 5 mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 8.5 mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 22.3 mg/kg

LD50/dermal/rat

VALUE -Acute Tox Dermal = 20 mg/kg

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = 0.16 mg/l

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Fatal if absorbed through skin. Can cause burning pain, inflammation and blisters.

Eye Contact: Causes serious eye irritation.

Inhalation Fatal if inhaled. The substance inhibits cellular respiration causing metabolic asphyxiation. May cause headache, weakness, dizziness, labored breathing, nausea, vomiting. May be followed by cardiovascular effects, unconsciousness,

convulsions, coma, and death. Inhalation of high concentrations may cause central nervous system effects similar to those described for ingestion.

Ingestion

Fatal if swallowed. May cause gastrointestinal tract irritation (gastritis) with nausea, vomiting, flushing. May affect hearing, behavior and nervous systems (seizures, convulsions, change in motor activity, ataxia, headache, dizziness, confusion, weakness, tetany, irritability, stupor, anxiety, hallucinations, agitation, tremors, coma), respiration (hyperventilation, pulmonary edema, apnea, breathing difficulty, respiratory failure), cardiovascular system (palpitations, cardiac arrhythmias, slow or rapid heartbeat, hypertension, hypotension), blood, and may cyanosis (bluish skin and lips due to deficient oxygenation of the blood). Cyanosis is generally a late finding. Massive doses by produce sudden loss of consciousness and prompt death from respiratory arrest. Smaller but still lethal doses may prolong the illness for 1 or more hours. A bitter almond odor may be noted on the breath or vomitus. Can also cause metabolic/lactic acidosis, poor appetite, and dilation of pupils.

Aspiration hazard No information available.

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

Chronic Toxicity Central Nervous system effects (headaches, vertigo, insomnia, memory loss, tremors, fatigue and other symptoms similar to ingestion), metabolic effects (poor appetite), cardiovascular effects (chest discomfort, palpitations), progressive nerve damage to the eyes resulting in blindness, dermatitis, respiratory tract irritation, eye irritation, thyroid deficiency, goiter, hyperglycemia, metabolic acidosis, anemia, kidney damage, liver damage, or death can occur. It may also affect the brain.

Sensitization: No information available.

Mutagenic Effects: May affect genetic material

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Potassium Cyanide	151-50-8	Not listed	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 No data is available

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: Central nervous system. Thyroid. Blood.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Potassium Cyanide - 151-50-8

Freshwater Fish Species Data: 0.04 - 0.046 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1 0.044 - 0.084 mg/L LC50 Oncorhynchus mykiss 96 h static 1 0.01 - 0.08 mg/L LC50 Lepomis macrochirus 96 h static 1 0.45 mg/L LC50 Lepomis macrochirus 96 h 1 0.45 - 0.57 mg/L LC50 Lepomis macrochirus 96 h flow-through 1 0.31 - 0.37 mg/L LC50 Pimephales promelas 96 h static 1 0.0588 mg/L LC50 Poecilia reticulata 96 h flow-through 1

Water Flea Data: 0.53 mg/L EC50 Daphnia magna 24 h

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
Potassium Cyanide	151-50-8	None	None	P098	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN1680
Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Subsidiary Class: No information available
Packing group: I
Emergency Response Guide Number: No information available
Marine Pollutant: Marine Pollutant
DOT RQ (lbs): No information available
Special Provisions: No Information available
Symbol(s): [DOT]: (P) - Identifies a material that is a marine pollutant. [DOT]: (R2) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 10 pounds (4.54 Kilograms).
Description: UN1680, Potassium cyanide, solid ,6.1, PG I, Marine Pollutant

TDG (Canada)

UN-No: UN1680

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Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: I
Marine Pollutant Description: No Information available
 UN1680,POTASSIUM CYANIDE, SOLID,6.1,PG I,Marine Pollutant

ADR

UN-No: UN1680
Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Packing Group: I
Subsidiary Risk: No information available
Description: UN1680 Potassium cyanide, solid,6.1,I

IMO / IMDG

UN-No: UN1680
Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Subsidiary Risk: P
Packing Group: I
Marine Pollutant Description: No information available
 EMS: F-A

RID

UN-No: UN1680
Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: I
Description: UN1680 Potassium cyanide, solid,6.1,I

ICAO

UN-No: UN1680
Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: I
Description: UN1680,Potassium cyanide, solid,6.1,PG I

IATA

UN-No: UN1680
Proper Shipping Name: Potassium cyanide, solid
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: I
ERG Code: 6L
Special Provisions Description: No information available
 UN1680,Potassium cyanide, solid,6.1,PG I

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Potassium Cyanide	151-50-8	PresentACTIVE	Present KE-29092	Present	Present (1)-1086	Present	Present	Present 205-792-3

U.S. Regulations

Potassium Cyanide


Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1562
New Jersey (EHS) List: 1562 100 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List Present
Minnesota - Hazardous Substance List: Present
New York Release Reporting - List of Hazardous Substances:
 10 lb RQ
 1 lb RQ
Louisiana Reportable Quantity List for Pollutants: Listed
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 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 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.

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Potassium Cyanide	151-50-8	Not Listed	Not Listed	male reproductive toxicity (listed under cyanide salts)	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
Potassium Cyanide	151-50-8	10 lb final RQ 4.54 kg final RQ	100 lb TPQ 10 lb EPCRA RQ	None	None	None

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Potassium Cyanide	151-50-8	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
 Potassium Cyanide
 151-50-8 (100)

WHMIS 2015 Hazard Classification
 Acute toxicity - Oral - Category 2: H300 Fatal if swallowed.; Acute toxicity - Dermal - Category 1: H310 Fatal in contact with skin.; Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes

serious eye damage.

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

WHMIS 1988 Hazard Class

D1A Very toxic materials
E Corrosive material

Components

Potassium Cyanide

WHMIS 1988

D1A,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.

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Potassium Cyanide	151-50-8	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Potassium Cyanide	151-50-8	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Potassium Cyanide	151-50-8	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Potassium Cyanide	151-50-8	Acute toxicity - Oral - Acute Tox. 2: H300 Fatal if swallowed. (Minimum classification, except Complex cyanides such as Ferrocyanides, Ferricyanides and Mercuric oxycyanide, and those specified elsewhere in this Annex); Acute toxicity - Dermal - Acute Tox. 1: H310 Fatal in contact with skin. (except Complex cyanides such as Ferrocyanides, Ferricyanides, Mercuric oxycyanide, and those specified elsewhere in this Annex); Acute toxicity - Inhalation - Acute Tox. 2: H330 Fatal if inhaled. (Minimum classification, except Complex cyanides such as Ferrocyanides, Ferricyanides, Mercuric oxycyanide, and those specified elsewhere in this Annex); Hazardous to aquatic environment - acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life. (except complex cyanides such as Ferrocyanides, Ferricyanides, Mercuric oxycyanide and those specified elsewhere in this Annex); Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects. (except complex cyanides such as Ferrocyanides,

		Ferricyanides, Mercuric oxycyanide and those specified elsewhere in this Annex); Supplemental Hazards: EUH032 Contact with acids liberates very toxic gas.006-007-00-5
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EU - CLP (1272/2008)

R-phrase(s)

R32 - Contact with acids liberates very toxic gas.
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 -phrase(s)

S28 - After contact with skin, wash immediately with plenty of water
S29 - Do not empty into drains.
S36 - Wear suitable protective clothing.
S37 - Wear suitable gloves.
S39 - Wear eye/face protection.
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
Potassium Cyanide	151-50-8		No information	

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

Indication of danger:

C - Corrosive.
T+ - Very toxic.

16. OTHER INFORMATION

Preparation Date: 03/23/2015
Revision Date: 02/02/2018
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