



SAFETY DATA SHEET

Preparation Date: 3/25/2015 Revision Date: 3/15/2016 Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: P1370

Product Name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS

Other means of identification

Synonyms: Permanganate of potash

CAS #: 7722-64-7
RTECS # SD6475000
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 numberChemtrec 1-800-424-9300Contact 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)

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

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Oxidizing solids	Category 3

Label elements

Product code: P1370

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS

Danger

Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

May cause respiratory irritation

May intensify fire; oxidizer



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

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 breathe dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection

Use only outdoors or in a well-ventilated area

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 .?

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

IN CASE OF FIRE: Use water to extinguish. Do not use dry chemicals or foams. CO2or Halon may provide limited control.

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.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse 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. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Do NOT induce vomiting

Product code: P1370

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS

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 %
Potassium Permanganate	7722-64-7	100
7722-64-7		

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.

Eye Contact: Flush eyes 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.

Most important symptoms and effects, both acute and delayed

Symptoms

Severe skin and eye irritation or burns. May cause irreversible eye damage. Irritating to respiratory system. May cause corneal injury. May cause coughing and shortness of breath. May cause pulmonary edema. May affect the liver. It may affect the kidneys. Ingestion may cause vomiting and nausea. May cause diarrhea. Causes digestive (gastrointestinal) tract irritation. May cause gastrointestinal (digestive) tract burns. Can burn mouth, throat, and stomach. Central nervous system effects. May affect the cardiovascular system.

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:Water. CO2 may be of no value in extinguishing fires involving oxidizers and may only provide limited control.

Product code: P1370 Product name: POTASSIUM 3 / 14

PERMANGANATE, CRYSTAL, REAGENT, ACS

Unsuitable Extinguishing Media: Dry chemical. Foam. Halons.

Specific hazards arising from the chemical

Hazardous Combustion Products: No information available.

Specific hazards: Oxidizer. Keep away from combustible materials (wood,

paper, oil, clothing, etc.)

The product is not flammable, but it may cause fire when in

contact with other material

Contact with combustible or organic materials may cause

fire

Will accelerate burning when involved in a fire

Container explosion may occur under fire conditions or when

heated

Special Protective Actions for Firefighters

Specific Methods: For large fires, flood fire area with water from a distance.

Cool closed containers with flooding quantities of water until fire is out. Do not get water inside containers. DO NOT use

combustible materials such as sawdust.

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. Do not touch

damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Keep combustibles (wood, paper, oil, clothing, etc.) away from spilled material.

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

Methods for cleaning upSweep up and shovel into suitable containers for disposal. Do not use combustible

materials such as paper towels, sawdust, clothing, etc. to clean up spill. 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 ingest. Do not breathe vapours/dust. Keep away from combustible material. Handle in accordance with good industrial hygiene and safety practice.

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS

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:

Reducing agents. Organic materials. Combustible materials. Metals. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Potassium Permanganate	None	None	0.02 mg/m ³ TWA	None
7722-64-7			(respirable fraction, as Mn)	
			0.1 mg/m ³ TWA(inhalable	
			fraction, as Mn)	
			Listed under manganese	
			inorganic compounds	

Canada

Components	Alberta	British Columbia	Ontario	Quebec
Potassium Permanganate	0.2 mg/m ³ TWA(as Mn)	0.2 mg/m³ TWA(as Mn)	0.02 mg/m ³ TWA	0.2 mg/m³ TWAEV(as Mn)
7722-64-7	Listed under manganese	Listed under manganese	(respirable fraction, as Mn)	Listed under manganese
	inorganic compounds	inorganic compounds	0.1 mg/m ³ TWA(inhalable	inorganic compounds
			fraction, as Mn)	
			Listed under manganese	
			inorganic compounds	

Australia and Mexico

Components	Australia	Mexico
Potassium Permanganate	None	0.2 mg/m³ TWA(as Mn)
7722-64-7		Listed under manganese inorganic compounds

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.

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:Appearance:Color:SolidCrystals.Dark purple.

Odor:TasteFormula:Odorless.Sweet with astringent aftertaste.KMnO4

Molecular/Formula weight:Flammability:Flashpoint (°C/°F):158.03No information availableNo information available.

Flash Point Tested according to: Autoignition Temperature (°C/°F): Lower Explosion Limit (%): Not available

No information available

No information available

Upper Explosion Limit (%):pH:Melting point/range(°C/°F):No information availableNo information availableNo information available

Boiling point/range(°C/°F): Decomposition temperature(°C/°F): Bulk density: No information available > 240 °C/>464 °F No information available

Density (g/cm3):Specific gravity:Vapor pressure @ 20°C (kPa):2.7 @ 20°C2.7 @ 15-20°CNo information available

Evaporation rate:Vapor density:VOC content (g/L):No information availableNo information availableNo information available

Odor threshold (ppm):Partition coefficientViscosity:No information available(n-octanol/water):No information available

Solubility:

No information available

No information available Soluble in organic solvents

Soluble in Acetic acid
Soluble in pyridine
Soluble in benzonitrile
Soluble in acetic anhydride
Soluble in trifluoroacetic acid

Solubility in Water: 64 g/l @ 20 deg. C Solubility in Water: 125 g/l @ 40 deg. C

Soluble in Acetone Soluble in Methanol

10. STABILITY AND REACTIVITY

Reactivity

Product code: P1370

Miscibility:

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS

10. STABILITY AND REACTIVITY

May react with reducing agents, acids, formaldehyde, ammonia, ammonium salts, ammonium nitrate, dimethylformamide, glycerol, combustible materials, alcohols, arsenites, bromides, iodides, charcoal, organic materials, ferrous or mercurous salts, hypophosphites, hyposulfites, sulfites, peroxides, oxalates, ethylene glycol, metal powders, phosphorus, sulfur

Spontaneously flammable on contact with ethylene glycol.

Potassium Permanganate being conveyed through propylene tube ignited the tube.

When solid hydroxylamine is brought into contact with solid potassium permanganate, there is produced immediately a white flame.

Potassium permanganate decomposes hydrogen trisulfide so rapidly that sufficient heat is liberated to ignite the trisulfide.

When Antimony or arsenic and solid potassium permanganate are ground together, the metals ignite.

Take care in handling as explosions may occur if it is brought in contact with organic or other readily oxidizable substances, either in solution or in dry state.

Explosive in contact with sulfuric acid or hydrogen peroxide.

Potassium permanganate + acetic acid or acetic anhydride can explode if permanganate is not kept cold.

Explosions can occur when permanganates come on contact with benzene, carbon disulfide, diethyl ether, ethyl alcohol, petroleum, or oganic matter.

Contact with glycerol may produce explosion.

Crystals of potassium permanganate explode vigorously when ground with phosphorous.

A mixture of .5% potassium permanganate + ammonium nitrate explosive caused an explosion 7 hrs. later.

Addition of Potassium permanganate + dimethylformamide to give a 20% solution led to an explosion after 5 min.

During a preparation of chlorine by addition of the concentrated acid (Hydrochloric acid) to solid potassium permanganate, a sharp explosion occurred on one occasion

Chemical stability

Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

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

Incompatible Materials: Reducing agents. Organic materials. Combustible materials. Metals. Acids.

Hazardous decomposition products: No information available

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: Eyes. Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

Product code: P1370

Potassium Permanganate - 7722-64-7

LD50/oral/rat = 750 mg/kg Oral LD50 Rat (RTECS and European Chemicals Bureau IUCLID dataset) 1090mg/kg oral LD50 rat (European Chemicals Bureau IUCLID dataset)

LD50/oral/mouse = 2157 mg/kg (RTECS and European Chemicals Bureau IUCLID dataset)

750 mg/kg (RTECS and European Chemicals Bureau IUCLID dataset)

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS 7/14

LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No infomation available
Other LD50 or LC50information = 1151 mg/kg Oral LD50 Guinea Pig
100 mg/kg oral LDL woman
135-143 oral LDL human

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 750mg/kg

LD50/oral/mouse =

Value - Acute Tox Oral = 750mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = 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

Product code: P1370

VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Contact causes severe skin irritation and possible burns. It can cause brown stains

on the skin. May cause hardening of the skin.

Eye Contact: Causes severe irritation and burns. Possible eye damage. May cause corneal

damage. May cause permanent injury.

Inhalation Irritating to respiratory system. Symptoms may include coughing and shortness of

breath. It may cause pulmonary edema.

Ingestion Harmful if swallowed. Causes severe digestive (gastrointestinal)tract irritation with

nausea, vomiting and possible burns. May affect respiration (hypoxia, dyspnea), cardiovascular system(hypertension, hypotension, tachycardia), liver (hepatits, jaundice, hepatocellular necrosis), blood (methemoglobinemia), urinary system (renal failure, albuminuria, hematuria, proteinuria, chemical burns),behavior/central nervous system (somnolence, headache, dizziness, tremor, paresthesia, fatigue, and even

coma and death at high levels).

Aspiration hazard No information available

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

Chronic Toxicity Chronic exposure may affect the liver and kidneys

Prolonged or repeated inhalation can cause respiratory tract irritation,

bronchospasm, chronic bronchitis with coughing, wheezing, phlegm and/or shortness

of breath

Sensitization: No information available

Mutagenic Effects: Mutations in microorganisms

Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Not considered carcinogenic

Components	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Potassium Permanganate	Not listed	Group A4- Not Classifiable as a Human Carcinogen (listed under manganese, inorganic compounds)		Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

Reproductive toxicity

No data is available

Reproductive Effects:No information availableDevelopmental Effects:No information availableTeratogenic Effects:No information available

Specific Target Organ Toxicity

STOT - single exposure
STOT - repeated exposure

Target Organs:

Respiratory system. No information available Central nervous system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product code: P1370

Ecotoxicity effects: Aquatic environment.

Potassium Permanganate - 7722-64-7

Freshwater Fish Species Data: 0.3-0.6 mg/L LC50 Oncorhynchus mykiss 96 h

0.769-1.27 mg/L LC50 Oncorhynchus mykiss 96 h static 1 1.08-1.38 mg/L LC50 Oncorhynchus mykiss 96 h 1 1.8-5.6 mg/L LC50 Lepomis macrochirus 96 h static 1 2.3 mg/L LC50 Lepomis macrochirus 96 h flow-through 1

2.7 mg/L LC50 Lepomis macrochirus 96 h 1 2.97-3.11 mg/L LC50 Cyprinus carpio 96 h 1 3.16-3.77 mg/L LC50 Cyprinus carpio 96 h 1 3.3-3.93 mg/L LC50 Carassius auratus 96 h static 1

Water Flea Data: 0.84 mg/L LC50 Daphnia manga 48 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	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Potassium Permanganate	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.1

Subsidiary Risk: No information available

Packing Group: II ERG No: 140

Marine PollutantNo data availableDOT RQ (lbs):No information availableSpecial ProvisionsNo Information available

Symbol(s): R3

TDG (Canada)

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.²

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No Information available

14. TRANSPORT INFORMATION

ADR

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.1 Packing Group:

Subsidiary Risk: No information available

IMO / IMDG

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.1

Subsidiary Risk: No information available

Packing Group:

Marine Pollutant No information available

EMS: F-H

RID

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.1

Subsidiary Risk: No information available

Packing Group:

ICAO

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.1

Subsidiary Risk: No information available

Packing Group:

IATA

UN-No: UN1490

Proper Shipping Name: Potassium permanganate

Hazard Class: 5.1

Subsidiary Risk: No information available

Packing Group: II ERG Code: 5L

Special Provisions No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Potassium Permanganate	Present	Present KE-	Present	Present (1)-	Present	Present	Present 231-760-3
		29180		446			

U.S. Regulations

Potassium Permanganate

Product code: P1370

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1578

New Jersey - Discharge Prevention - List of Hazardous Substances: Present

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT, ACS 11 / 14

Potassium Permanganate

Pennsylvania RTK: Environmental hazard

Pennsylvania RTK - Environmental Hazard List Present

Minnesota - Hazardous Substance List: Present (as Manganese compounds)

New York Release Reporting - List of Hazardous Substances:

100 lb RQ

Louisana Reportable Quantity List for Pollutants: 100lbfinal RQ

45.4kgfinal RQ

California Directors List of Hazardous Substances: Present

FDA - Direct Food Additives 21 CFR 172.892

FDA - 21 CFR - Total Food Additives 172.892 175.105 178.1010

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:

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

Components	Carcinogen	Developmental Toxicity	Male Reproductive	Female Reproductive
			Toxicity	Toxicity:
Potassium Permanganate	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

	Substances and their	Section 302 Extremely Hazardous Substances and TPQs	Hazardous	Chemical Category	Section 313 - Reporting de minimis
Potassium	100 lb final RQ	None	None	Listed under	1%
Permanganate	45.4 kg final RQ			Manganese compounds	

U.S. TSCA

·	, · · · · · · · · · · · · · · · · · · ·	TSCA 8(d) -Health and Safety Reporting
	New Use Rules (SNURS)	
Potassium Permanganate	Not Applicable	Not Applicable

Canada

WHMIS hazard class:

C Oxidizing materials

E Corrosive material

Potassium Permanganate

Product code: P1370

CE

C D2B 5%, 15%

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 -
Potassium Permanganate	1 %

Inventory

Components	Canada (DSL)	Canada (NDSL)
Potassium Permanganate	Present	Not Listed

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

EU Classification

R-phrase(s)

R 8 - Contact with combustible material may cause fire.

R22 - Harmful if swallowed.

R50 - Very toxic to aquatic organisms.

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

S -phrase(s)
S 2 - Keep out of the reach of children.

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
	Xn; R22 N; R50-53 O; R8	No information	S2 S60 S61

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

Indication of danger:

O - Oxidising.

Xn - Harmful.

N - Dangerous for the environment.







16. OTHER INFORMATION

Product code: P1370

16. OTHER INFORMATION

Preparation Date:3/25/2015Revision Date:3/15/2016Prepared by:Sonia Owen

Disclaimer:

Product code: P1370

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

Product name: POTASSIUM PERMANGANATE, CRYSTAL, REAGENT. ACS