

SAFETY DATA SHEET

Preparation Date: 06/03/2015

Revision Date: 06/03/2015

Revision Number: G1

Product identifier

Product code: P-155
Product Name: PHENOLPHTHALEIN, 1 PERCENT (W/V) INDICATOR SOLUTION IN 95 PERCENT ISOPROPYL ALCOHOL

Other means of identification

Synonyms: Phenolphthalein Solution, 1% in 95% Isopropyl alcohol
CAS #: Mixture
RTECS # Not available
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Indicator.
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 by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2A
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Flammable liquids	Category 2

Label elements

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Danger

Hazard statements

Causes serious eye irritation
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
Suspected of causing genetic defects
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
Highly flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

May be harmful if swallowed
Causes mild skin irritation
Can burn with an invisible flame

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/ .? /equipment
Use only non-sparking tools
Take precautionary measures against static discharge
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
Wash face, hands and any exposed skin thoroughly after handling
Keep container tightly closed
Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
In case of fire: Use CO₂, 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. If eye irritation persists: Get medical advice/attention.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements - Storage

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

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Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	Trade Secret
Isopropyl Alcohol 67-63-0	67-63-0	95	*
Water 7732-18-5	7732-18-5	4	*
Phenolphthalein, powder 77-09-8	77-09-8	1	*

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 removing all contaminated clothes and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact:

Flush eye with water for 15 minutes. Get medical attention.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. 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 serious eye irritation. May cause skin irritation. May cause irritation of respiratory tract. Dyspnea (Difficulty breathing and shortness of breath). Central nervous system effects. Dizziness. Drowsiness. Headache. Ataxia. Staggering gait. Nausea. Vomiting. May cause cardiovascular effects.

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:**Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant foam. Water spray.**Unsuitable Extinguishing Media:**

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

Specific hazards arising from the chemical

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Hazardous Combustion Products:

Carbon monoxide; Carbon dioxide

Specific hazards:

Flammable
 May be ignited by heat, sparks or flames
 Material can burn with invisible flame
 Vapor may travel considerable distance to source of ignition and flash back
 Vapors may form explosive mixtures with air
 Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks)
 Container explosion may occur under fire conditions or when heated
 Fire may produce irritating, corrosive and/or toxic gases

Special Protective Actions for Firefighters**Specific Methods:**

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

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. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

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). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up

Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. 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. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice:

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. 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. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

Oxidizing agents. Acids. Bases. isocyanates. Amines. Ammonia. Halogenated compounds. Halogens. Chlorine. Phosgene. Ethylene oxide. Acetaldehyde. chromium trioxide . Potassium t-butoxide. Aluminum. Oleum.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****National occupational exposure limits****United States**

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Isopropyl Alcohol 67-63-0	400 ppm TWA 980 mg/m ³ TWA	400 ppm TWA 980 mg/m ³ TWA 500 ppm STEL 1225 mg/m ³ STEL	400 ppm STEL 200 ppm TWA	None
Water 7732-18-5	None	None	None	None
Phenolphthalein, powder 77-09-8	None	None	None	None

Canada

Components	Alberta	British Columbia	Ontario	Quebec
Isopropyl Alcohol 67-63-0	200 ppm TWA 492 mg/m ³ TWA 400 ppm STEL 984 mg/m ³ STEL	200 ppm TWA 400 ppm STEL	200 ppm TWA	400 ppm TWAEV 985 mg/m ³ TWAEV 500 ppm STEV 1230 mg/m ³ STEV
Water 7732-18-5	None	None	None	None
Phenolphthalein, powder 77-09-8	None	None	None	None

Australia and Mexico

Components	Australia	Mexico
Isopropyl Alcohol 67-63-0	500 ppm STEL 1230 mg/m ³ STEL 400 ppm TWA 983 mg/m ³ TWA	400 ppm TWA 980 mg/m ³ TWA 500 ppm STEL 1225 mg/m ³ STEL
Water 7732-18-5	None	None
Phenolphthalein, powder 77-09-8	None	None

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 Safety glasses with side-shields
Skin and body protection:	Chemical resistant apron. Long sleeved clothing. Gloves.
Respiratory protection:	Vapor respirator. 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
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Physical state: Liquid	Appearance: No information available	Color: Clear. Colorless.
Odor: Alcoholic.	Taste No information available	Molecular/Formula weight: No information available
Formula: No information available	Flammability: No information available	Flash point (°C): 11.7°C 23°C
Flashpoint (°C/°F): 11.7°C/ 53.1°F 23°C/ 73.4°F	Flash Point Tested according to: Closed cup Open cup	Lower Explosion Limit (%): 2%
Upper Explosion Limit (%): 12.7	Autoignition Temperature (°C/°F): 399°C/ 750.2°F	pH: 8
Melting point/range(°C/°F): -88.5°C/ -127.3°F (Isopropyl Alcohol)	Boiling point/range(°C/°F): 83.21°C/ 181.8°F	Decomposition temperature(°C/°F): No information available
Bulk density: No information available	Specific gravity: 0.8	Vapor pressure @ 20°C (kPa): weighted avg: 4.32
Density (g/cm3): No information available	Evaporation rate: No information available	Vapor density: weighted avg: 2.01
VOC content (g/L): No information available	Odor threshold (ppm): 22	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 Easily soluble in diethyl ether Easily soluble in acetone

10. STABILITY AND REACTIVITY

Reactivity**Product code:** P-155

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10. STABILITY AND REACTIVITY

Reactive with acids
Reacts with bases
It can react vigorously, violently or explosively with oxidizers
Contact with strong oxidizers may cause fire
Vigorous reaction when mixed with sodium dichromate + sulfuric acid
Explosive reaction can occur when it is mixed with nitroform
Contact with potassium-tert-butoxide can cause ignition
It forms explosive mixtures with trinitromethane, hydrogen peroxide, barium perchlorate
Hydrogen peroxide sharply reduces the autoignition temperature of isopropyl alcohol
After a delay, isopropyl alcohol ignites on contact with dioxgenyl tetrafluoroborate, chromium trioxide, potassium tert-butoxide
It reacts violently with hydrogen-palladium combination, oleum, aluminum triisopropoxide, COCl₂
In the presence of iron salts, thermal decomposition can occur, which in some cases can become explosive

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: Oxidizing agents. Acids. Bases. isocyanates. Amines. Ammonia. Halogenated compounds. Halogens. Chlorine. Phosgene. Ethylene oxide. Acetaldehyde. chromium trioxide . Potassium t-butoxide. Aluminum. Oleum.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

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:
Ingestion. Skin. Eyes. Inhalation.

Acute Toxicity

Component Information

Isopropyl Alcohol - 67-63-0

LD50/oral/rat = 4396 mg/kg Oral LD50 Rat

LD50/oral/mouse = 3600 mg/kg (RTECS)

LD50/dermal/rat = 12800 mg/kg

LD50/dermal/rabbit = 12800 mg/kg Dermal LD50Rabbit

LC50/inhalation/rat = 72.6 mg/l 4 h

16000 ppm Inhalation LC50 Rat 8 h

LC50/inhalation/mouse = 27.2 mg/l 4 h

Other LD50 or LC50 information = LD50 oral 6410 mg/kg [Rabbit]

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Water - 7732-18-5

LD50/oral/rat = > 90 mL/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rat = No information available
LD50/dermal/rabbit = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Phenolphthalein, powder - 77-09-8

LD50/oral/rat = No information available
LD50/oral/mouse = No information available
LD50/dermal/rat = No information available
LD50/dermal/rabbit = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = No information available

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

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

Symptoms

Skin Contact: May cause skin irritation. Mild skin irritation. It may be absorbed through the skin. If absorbed through skin it may cause systemic effects.

Eye Contact: Causes eye irritation.

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Inhalation May cause irritation of respiratory tract. It may affect the cardiovascular system (change in pulse rate). May affect respiration (respiratory depression). Inhalation of high concentrations of vapor may cause anesthetic effects. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May affect behavior/central nervous system (dizziness, loss of coordination, coma). May affect behavior/central nervous system (headache, fatigue, lack of concentration, reduced memory, hallucinations, stupor, unconsciousness). May affect behavior/central nervous system (somnia).

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause abdominal pain. May affect the cardiovascular system (change in heart rate). May affect cardiovascular system (hypotension, cardiac arrhythmias). May affect respiration (dyspnea, respiratory depression). May affect urinary system (kidneys). May affect peripheral nervous system (peripheral nerve and sensation - spastic paralysis with or without sensory change). It may affect behavior/central nervous system (central nervous system depression, ataxia, general anesthetic). May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (somnia). May affect behavior central nervous system (irritability, hallucinations, coma). Aspiration may lead to pulmonary edema. Aspiration into the lungs can cause chemical pneumonitis.

Aspiration hazard No information available

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

Chronic Toxicity Prolonged or repeated skin contact may cause dermatitis and defatting, dryness, and cracking of the skin. Chronic exposure may cause central nervous system effects. Prolonged or repeated ingestion may affect the liver. Prolonged or repeated inhalation may affect the peripheral nervous system (weakness, peripheral neuropathy with paresthesia - a tingling, pricking, or numbness of the skin (known as the feeling of "pins and needles) generally of the hands and feet (extremities)). Prolonged or repeated inhalation may affect the liver. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the brain. Prolonged or repeated inhalation may affect the blood (changes in serum composition, pigmented or nucleated red blood cells).

Sensitization: No information available

Mutagenic Effects: Contains Phenolphthalein. Therefore, suspected of causing genetic defects
 For Phenolphthalein:
 Mutagenic effects on mammalian germ cells
 Cytogenic Analysis: Hamster ovary (RTECS)
 Cytogenic Analysis: Human embryo (RTECS)
 Micronucleus Test: Hamster ovary (RTECS)

Carcinogenic effects: Suspected of causing cancer.

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
Isopropyl Alcohol	A4 Not Classifiable as a Human Carcinogen	Group 3 - Monograph 71 [1999] Supplement 7 [1987] Monograph 15 [1977]	Not listed	Not listed	Not listed	Not listed
Water	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Phenolphthalein, powder	Not listed	Group 2B - Monograph 76 [2000]	Reasonably Anticipated To Be A Human Carcinogen	Present	Not listed	Not listed
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ACGIH (American Conference of Governmental Industrial Hygienists)

A4 - Not Classifiable as a Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 - Not classifiable as to its carcinogenicity to humans

NTP (National Toxicology Program)

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

Reproductive toxicity

Suspected of damaging fertility or the unborn child

**Reproductive Effects:
Developmental Effects:**

No information available
Possible risk of harm to the unborn child
May cause adverse developmental effects

Teratogenic Effects:

May cause birth defects (teratogenic effects) based on animal test data
Showed teratogenic effects in animal experiments

Specific Target Organ Toxicity

**STOT - single exposure
STOT - repeated exposure**

respiratory system. central nervous system.
May cause damage to organs through prolonged or repeated exposure. liver. kidney.
Peripheral Nervous System (PNS). central nervous system. spleen. Blood.

Target Organs:

Skin. Central nervous system. Peripheral nervous system. Brain. Liver. Kidneys.
Blood. Spleen.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects:

Aquatic environment.

Isopropyl Alcohol - 67-63-0

Freshwater Algae Data:

1000 mg/L EC50 Desmodesmus subspicatus 72 h
1000 mg/L EC50 Desmodesmus subspicatus 96 h

Freshwater Fish Species Data:

11130 mg/L LC50 Pimephales promelas 96 h static 1
9640 mg/L LC50 Pimephales promelas 96 h flow-through 1
1400000 µg/L LC50 Lepomis macrochirus 96 h 1

Water Flea Data:

13299 mg/L EC50 Daphnia magna 48 h

Persistence and degradability:

No information available

Bioaccumulative potential:

No information available

Mobility:

No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

13. DISPOSAL CONSIDERATIONS

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
Isopropyl Alcohol	None	None	None	None
Water	None	None	None	None
Phenolphthalein, powder	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN1219
Proper Shipping Name: Isopropanol, solution
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
ERG No: 129
Marine Pollutant: No data available
DOT RQ (lbs): No information available

Symbol(s):**TDG (Canada)**

UN-No: UN1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: No information available

ADR

UN-No: UN1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Packing Group: II
Subsidiary Risk: No information available
Classification Code: No information available
Description: No information available
CEFIC Tremcard No: No information available

IMO / IMDG

UN-No: UN1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: No information available
IMDG Page: No information available
Marine Pollutant: No information available
EMS: F-E

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MFAG: No information available
Maximum Quantity: No information available

RID

UN-No: UN1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Classification Code: No information available
Description: No information available

ICAO

UN-No: UN1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: No information available

IATA

UN-No: UN1219
Proper Shipping Name: Isopropanol
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 3L
Description: No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Isopropyl Alcohol</i>	Present	Present KE-29363	Present	Present (2)-207	Present	Present	Present 200-661-7
<i>Water</i>	Present	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
<i>Phenolphthalein, powder</i>	Present	Present KE-03234	Present	Present (9)-1152	Present	Present	Present 201-004-7

U.S. Regulations

Isopropyl Alcohol

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1076
New Jersey (EHS) List: 1076 500 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
California Directors List of Hazardous Substances: Present

FDA - Direct Food Additives 21 CFR 172.515 21 CFR 173.240 21 CFR 173.340

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Isopropyl Alcohol

FDA - 21 CFR - Total Food Additives 172.385 172.515 172.560 172.665 172.695 173.240 173.340 175.105 176.180 176.200
176.210 177.1200 177.2800 178.1010 178.3910 73.1 73.1001 73.30 73.315 73.345
73.615

Phenolphthalein, powder

New Jersey RTK Hazardous Substance List: SN 4110

New Jersey (EHS) List: SN 4110 500lbTPQ

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:

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

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Isopropyl Alcohol	Not Listed	Not Listed	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed	Not Listed
Phenolphthalein, powder	carcinogen	Not Listed	Not Listed	Not Listed

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 <i>de minimis</i>
Isopropyl Alcohol	None	None	None	None	1.0 % de minimis concentration
Water	None	None	None	None	None
Phenolphthalein, powder	None	None	None	None	0.1 % de minimis concentration

U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Isopropyl Alcohol	Not Applicable	12/15/1986 12/15/1996
Water	Not Applicable	Not Applicable
Phenolphthalein, powder	Not Applicable	Not Applicable

Canada

WHMIS hazard class:

B2 Flammable liquid

D2B Toxic materials

Isopropyl Alcohol

B2 D2B including 70%

Water

Uncontrolled product according to WHMIS classification criteria

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 -
Isopropyl Alcohol	1 %

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Inventory

Components	Canada (DSL)	Canada (NDSL)
Isopropyl Alcohol	Present	Not Listed
Water	Present	Not Listed
Phenolphthalein, powder	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Isopropyl Alcohol	Not listed	Not listed
Water	Not listed	Not listed
Phenolphthalein, powder	Not listed	Not listed

EU Classification

R-phrase(s)

R11 - Highly flammable.
R36 - Irritating to eyes.
R67 - Vapors may cause drowsiness and dizziness.
R45 - May cause cancer.
R62 - Possible risk of impaired fertility.
R68 - Possible risk of irreversible effects.

S -phrase(s)

S2 - Keep out of the reach of children.
S7 - Keep container tightly closed.
S16 - Keep away from sources of ignition - No smoking.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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).
S24/25 - Avoid contact with skin and eyes.

Components	Classification	Concentration Limits:	Safety Phrases
Isopropyl Alcohol	F; R11 Xi; R36 R67	No information	S2 S7 S16 S24/25 S26
Water		No information	
Phenolphthalein, powder	Carc.Cat.2; R45 Repr.Cat.3; R62 Muta.Cat.3; R68	1%<=C: Carc.Cat.2; R:45	S53 S45

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

Indication of danger:

F - Highly flammable.
T - Toxic
Xn - Harmful.
Xi - Irritant.

Product code: P-155

Product name: PHENOLPHTHALEIN, 1
PERCENT (W/V) INDICATOR
SOLUTION IN 95 PERCENT
ISOPROPYL ALCOHOL

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16. OTHER INFORMATION

Preparation Date: 06/03/2015
Revision Date: 06/03/2015
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