

Safety Data Sheet

Product No. 813-504, 813-505 PELCO® Fast Cure Hardener (2-hour)

Issue Date (09-17-15)

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Section 1: Product and Company Identification

Product Name: PELCO® Fast Cure Hardener (2-hour)

Synonym: none

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

Classification of the substance or mixture

GHS Pictograms



GHS05



GHS08



GHS09



GHS07

Signal Word: Danger

<u>Hazard Class</u>	<u>Category</u>	<u>Hazard Statement Code</u>	<u>Hazard Statement</u>
Acute toxicity: Oral	4	H303	May be harmful if swallowed
Acute toxicity: Dermal	4	H312	Harmful in contact with skin
Skin Corrosion / Irritation	1B	H314	Causes severe skin burns and eye damage
Serious eye damage / Eye irritation	1	H318	Causes serious eye damage
Skin sensitization	1	H317	May cause an allergic skin reaction
Germ cell mutagenicity	2	H341	Suspected of causing genetic defects
Reproductive toxicity	2	H361	Suspected of damaging fertility or the unborn child
Specific target organ toxicity, repeated exposure	2	H373	May cause damage to organs through prolonged or repeated exposure by skin absorption
Aquatic Hazard: Acute	1	H400	Very toxic to aquatic life
Aquatic Hazard: Long term	1	H410	Very toxic to aquatic life with long-lasting effects

Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash exposed area with plenty of water and soap thoroughly after handling.

P272	Contaminated clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P301+P330+P312	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P331	Do not induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse with water/shower.
P363	Wash contaminated clothing before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P304+P340+P310	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.
P308+P313	If exposed or concerned: Get medical advice/attention.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point in accordance with local/regional/national/ international regulations.

Other hazards: No specific dangers known.

Section 3: Composition / Information on Ingredients

<u>Components</u>	<u>CAS #</u>	<u>EC #</u>	<u>Concentration, %</u>
1-(2-Aminoethyl piperazine), AEP	140-31-8	205-411-0	40 – 60%
4-nonylphenol, branched	84852-15-3	284-325-5	40 – 60%

Section 4: First Aid Measures

Description of First Aid measures:

Inhalation:	Remove the exposed person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to mouth-to-mouth resuscitation. If unconscious, place in recovery position and maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person should be kept under medical surveillance for 48 hours.
Skin:	Wash material off the skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes immediately and wash them before reuse. For severe exposures, immediately get under safety shower and begin rinsing. Get medical attention if symptoms occur.
Eye:	Immediate medical attention required. Chemical burns must be treated promptly by a physician or ophthalmologist. Rinse cautiously with water for several minutes, especially under the eyelids. Remove contact lenses, if present and easy to do so. Continue rinsing for at least 15 minutes. Do not rub eyes in order to prevent cornea injury.
Ingestion:	Remove exposed person to fresh air and keep at rest in a position comfortable for breathing. Remove dentures if any. If conscious, rinse mouth thoroughly with water and give 60 to 240 ml (2 to 8 oz.) of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If unconscious, place in recovery position and get medical

attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms/effects, acute and delayed: See Section 11 for details

General advice for First Aid responders: No action should be taken involving any personal risk without suitable training. If potential for exposure exist refer to Section 8 for specific personal protective equipment. Show the SDS to physician.

Note to physician: Specific antidotes or neutralizers do not exist. Treatment should be supportive and based on the judgment of the physician in response to the reaction of the patient. Symptoms of poisoning may even occur after several hours. Recommended medical monitoring for at least 48 hours.

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed.

Skin: This product contains component that is a skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn.

Ingestion: Inducing vomiting can be contraindicated because of the irritating nature of the chemical.

Section 5: Fire Fighting Measures

Unsuitable Extinguishing Media: Water fog or fine spray, alcohol-resistant foam, dry chemical or carbon dioxide fire extinguishers.

Suitable Extinguishing Media: Direct water stream may cause frothing, splattering of burning material, violent steam generation or eruption and spreading of fire.

Specific hazards arising from the chemical: Combustible, Class III Liquid. Material may be ignited only if preheated to high temperatures (such in fire conditions). Fire in vicinity pose risk of pressure build-up and rupture. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area. Hazardous Combustion products: carbon dioxide, carbon monoxide, nitrogen oxides, amines, hydrogen cyanide, lower molecular weight organic molecules. Dense smoke is emitted when burned without sufficient oxygen.

Special Protective Equipment and Precautions for fire-fighters: Wear NIOSH or OSHA approved self-contained breathing apparatus in positive pressure mode with full face piece and full protective gear. Isolate the scene by removing all persons from the incident area. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. No action should be taken involving any personal risk or without suitable training.

Contain fire water run-off is possible. Fire water run-off, if not contained, may cause environmental damage. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary and unprotected personnel from entering. Ensure adequate ventilation/exhaust extraction. Avoid breathing vapors or mist during clean up. Use protective equipment as described in Section 8. Do not touch or walk through spilled material, spilled material may cause a slipping hazard.

Environmental precautions:

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Inform the relevant authorities if the product has caused environmental pollution. Water polluting material. Harmful to the environment. See Section 12 for more details.

Method sand materials for containment and cleaning up:

Remove mechanically; cover the remainder with non-combustible absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth). Following absorption, transfer into properly labeled chemical waste

containers. If necessary, repeat application of absorbent material until all liquid has been removed from the surface. Cover container, but do not seal, and remove from work area. Keep in a well ventilated area. If necessary, repeat application of absorbent material until all liquid has been removed from the surface. Wash the spill site with decontamination solution or with soap and water. Scrubbing the surface with a broom or brush helps the decontamination solution to penetrate into porous surfaces. Wait at least 15 minutes after first application. Cover the area again with absorbent material and shovel this into chemical waste container. Cover container, but do not seal, and remove from work area. Keep in a well ventilated area. After 72 hours, seal the container, and properly dispose of the waste material and any contaminated equipment (i.e., broom or brush) in accordance with existing federal, state and local regulations.

For major spills: Stop leak if without risk. Move containers from spill area. Remove ignition sources. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or contain and collect with an absorbent material as described in the previous paragraph.

For minor spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly with soap and water to remove residual contamination. Never return spills to original containers for re-use.

Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, see Section 1 for the Emergency contact; for further disposal measures, see Section 13.

Section 7: Handling and Storage

Precautions for safe handling: Protect chemical from atmospheric moisture. Avoid prolonged exposure to heat and air. Keep away from sources of ignition. Do not reseal if contamination is suspected. Use adequate ventilation to keep airborne levels below the exposure limits. Do not inhale vapors and mists. Wear respiratory protection if material is heated, mixed, sprayed or used in a confined space. Avoid contact with skin and eyes. Wear appropriate eye and skin protection. Wash hands thoroughly after handling. Hands and/or face should be washed before eating, drinking and smoking and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Store in original or approved alternative container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect it against physical damage and moisture. Normal temperature and pressures do not affect the material. Keep liquid away from heat, sparks and flame. Do not cut, drill, grind, weld or perform similar operations on or near containers. Use appropriate containment to avoid environmental contamination.

Requirements to be met by storerooms and receptacles: No special requirements.

Storage stability: Stable under normal conditions.

Storage temperature: 60 - 90°F (16 – 32°C)

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200. Employees and consumers should be warned of health risks associated with product use.

See Section 8 for additional information on hygiene measures.

Section 8: Exposure Controls / Personal Protection

Control Parameters/Occupational exposure limit values: Not available for mixture. Not available for components. See Section 15 for additional information.

Appropriate engineering controls: Good local and general ventilation should be sufficient to control worker exposure to airborne contaminants below recommended exposure limits. Local exhaust may be required in some areas.

Personal protective equipment:**Eye/face protection:**

When directly handling liquid product, eye protection is required. Examples of eye protection include safety glasses and goggles or full face shield when there is a greater risk of splash. Contact lenses should not be worn when working with chemicals.

Skin/body protection:

Avoid contact with skin. Impervious gloves (nitrile butyl rubber, neoprene or PVC) should be worn always when working with this product. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose contaminated gloves after use in accordance with good laboratory practices. Body should be covered with appropriate clothing (apron, arm covers or full body suit) depending on the task being performed and the risks involved. Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH. Wash contaminated clothing before reuse. Store work clothing separately. Appropriate footwear should be also selected based on the task being performed and the risks involved. Items which cannot be decontaminated, such as shoes, belts and watchbands, should be removed and disposed of properly.

Respiratory protection:

Use local or general ventilation to control exposures below applicable exposure limits. When ventilation is inadequate, use either an atmosphere supplying respirator or NIOSH or OSHA approved air-purifying respirator for organic vapors. Respirator must be properly fitted and its selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Additional Protective Measures: Educate and train employees in safe handling of this product. Follow all label instructions. As a general hygiene practice, wash hands and face after use. Emergency eyewash fountains and safety shower should be in close proximity as a matter of good practice.

Section 9 Physical and Chemical Properties

Appearance:	Colorless Liquid
Odor:	Irritating
Odor threshold:	Not available
pH:	Not available
Melting point/ freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable.
Upper/ lower flammability or explosive limits:	Product does not present an explosion hazard.
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	0.95-1.00 g/cm ³ @ 20°C (68°F)
Solubility (water):	Miscible
Partition coefficient n-octanol/water:	Not available
Auto-ignition temperature:	Product is not self-igniting
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10: Stability and Reactivity

Reactivity: Hazardous Polymerization: Product will not undergo hazardous polymerization.

Corrosion to metals: Not known.

Oxidizing properties: Based on its structural properties the product is not classified as oxidizing.

Formation of flammable gases: Does not form flammable gases in the presence of water.

Chemical stability: Stable under recommended storage conditions. Product is hygroscopic; contamination with moisture will negatively affect product performance.

Conditions to avoid: Unintentional contact with moisture, excessive heat, open flame and sparks. Avoid mist formation.

Incompatible materials: Strong oxidizing agents. Water, alcohols, amines, bases, acids, copper, aluminum and zinc alloys.

Hazardous decomposition products: Depend upon temperature, air supply and presence of other materials. Can include, but are not limited to carbon dioxide, carbon monoxide, nitrogen oxides, amines, hydrogen cyanide, lower molecular weight organic molecules.

Section 11: Toxicological Information

Likely Routes of Exposure: Inhalation, Skin and Eye Contact, Ingestion.

Symptoms of exposure:

Acute toxicity:

Oral: Harmful if swallowed. May cause burns to mouth, throat and stomach. Adverse symptoms may include abdominal pain, nausea and diarrhea.

Dermal: May cause severe burns. Adverse symptoms may include pain or irritation, redness, blistering.

Inhalation: Can cause severe eye, skin and respiratory system irritation. Adverse symptoms may include nausea, headache and difficulties with breathing.

Skin corrosion / irritation:

Corrosive! Contact may result in pain, severe local redness, burns and tissue damage. Prolonged contact may result in absorption of harmful amounts. A more severe response may be expected if skin is abraded (scratched or cut).

Serious eye damage/ eye irritation:

Causes serious eye damage. Adverse symptoms may include tearing, redness, swelling, burning and blindness.

Specific target organ toxicity, single exposure:

Not expected.

Aspiration hazard: Not an aspiration hazard.

Chronic toxicity:

Respiratory and Skin Sensitizer:

This material contains component(s) that is reported to be a skin sensitizer.

Germ cell mutagenicity:

This product contains component(s) suspected to have mutagenic effect.

Carcinogenicity:

Based on available information, this product does not contain component(s) known or reported to be carcinogenic by any reference by IARC, NTP, EPA, OSHA, ACGIH.

Reproductive toxicity:

This product contains component(s) reported to be suspected human reproductive toxicant.

Note: 4-nonylphenol, branched, CAS #: 84852-15-3: Rat, Oral: effects on newborn: Physical, reduced weight gain

Specific target organ toxicity, repeated exposure:

Respiratory system, lungs, liver, endocrine system

Note: 4-nonylphenol, branched, CAS #: 84852-15-3: Estrogenic substance and endocrine disruptor. Has hormone-like effects in both wildlife and humans. Acts as an obesity enhancing chemical. Affect insulin signaling in the liver of adult male rats.

Medical conditions aggravated by overexposure:

Asthma, respiratory and skin disorders, liver, kidney and endocrine system disorders if product is handled without adequate protection.

Toxicity test results: Not available for mixture. Results for components:

Components

4-nonylphenol, branched
CAS #: 84852-15-3

Test Results

Acute Toxicity

Oral LD50 (Rat): 1,412 mg/kg

Dermal LD50 (Rabbit): 2,031 mg/kg

Inhalation LC50 (Rat): No data available

Skin corrosion/irritation (Rabbit), 4hrs: Causes burns (OECD Test Guideline 404)

Serious eye damage/eye irritation (Rabbit), 72hrs: Corrosive (OECD Test Guideline 405)

STOT, SE: No data available

Aspiration hazard: No data available

Chronic Toxicity

Sensitization, skin and respiratory (Guinea pig): Not sensitizing (Guinea pig maximization test) (OECD Test Guideline 406)

STOT, RE: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA and ACGIH.

Reproductive toxicity: The results of animal studies suggest a fertility impairing effect. Rat, Oral / Effects on newborn: growth statistics (e.g., reduced weight gain). Suspected human reproductive toxicant.

1-(2-Aminoethyl) piperazine, (AEP),
CAS #: 140-31-8

Acute Toxicity

Oral LD50 (Rat): 2,108 mg/kg

Dermal LD50 (Rabbit): > 880 mg/kg

Skin corrosion/irritation (Rabbit), 4hrs: Toxic in contact with skin. Causes skin burns. Severe skin irritation.

Serious eye damage/eye irritation (Rabbit), 72hrs: Causes eye burns. May cause blindness. Severe eye irritation.

STOT, single: No data available

Aspiration hazard: No data available

Chronic Toxicity

Sensitization, skin and respiratory: May cause sensitization by skin contact.

STOT, RE: Sore throat. Eye disease. Skin disorders. Allergies.

Germ cell mutagenicity: The product or a component may be mutagenic, the data is inconclusive

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, OSHA and ACGIH.

STOT, RE: Prolonged contact may result in chemical burns and permanent damage, Repeated or prolonged contact causes sensitization, asthma and eczemas. Eye disease, Skin disorders and Allergies. And asthma

Section 12: Ecological Information

Ecotoxicity: Acutely and chronically hazardous for aquatic organisms.

Persistence and degradability: Expected to be biodegradable based on components information.

Bioaccumulative potential: Not known.

Mobility in soil: Not known.

Other adverse effects: Very toxic to aquatic life with long lasting effects. Do not allow product to reach ground water, water course or sewage system. Presents danger to drinking water if even small quantities leak into the ground.

Ecotoxicity test results: Not available for the mixture. Results for components, where available:

Components

4-nonylphenol, branched,
CAS #: 84852-15-3

Test Results

Aquatic toxicity

An environmental hazard. Very toxic to aquatic life with long lasting effects.

Acute Toxicity

Fish: LC50 (fathead minnow), 96hrs: 0.209 mg/L

Aquatic invertebrates: EC50 (Daphnia magna), 48hrs:
0.0844 mg/L

Aquatic plants: EC50 (green algae), 72hrs: 0.33 mg/L

Ecological Data

Biodegradability (aerobic), 28days: 62% BOD: Readily biodegradable (OECD Test Guideline 301F)

Remarks: The 10 day time window criterion is not fulfilled.

Bioaccumulative potential (fathead minnow), 28days:

Bioconcentration factor (BCF): 740







Mobility in soil: low.

Section 13 Disposal Considerations

Product Disposal: The generation of waste should be avoided or minimized wherever possible. If product becomes a waste, it does not meet criteria of hazardous waste as defined in 40 CFR 261, Subpart C and D. **Do not discharge into any sewers, on the ground, or into any body of water.** Spill cleanup residues may still be subject to RCRA storage and disposal requirements. All disposal practices must be in compliance with local, state and federal regulations via licensed waste disposal contractor.

Container disposal: Even after emptying, container may retain residues. Empty containers should be completely drained and safely stored until appropriately reconditioned or disposed through licensed contractor in accordance with government regulations. This material and its container must be disposed of in a safe way.

Section 14: Transportation Information

	Land Transport , U. S. DOT	ADR
UN number:	UN 1760	UN 1760
UN proper shipping name:	Corrosive Liquids, n.o.s. (contains 4-nonylphenol, branched; & 1-(2-Aminoethyl) piperazine, (AEP),	Corrosive Liquids, n.o.s. (contains 4-nonylphenol, branched; & 1-(2-Aminoethyl) piperazine, (AEP), ENVIROMENTALLY HAZARDOUS
Transport hazard class(es):	8	8
Packing group:	II	II
Hazard Label		 
Environmental Hazard:	Yes, Marine pollutant Product contains environmentally hazardous substances: 4-nonylphenol, branched	Yes, Marine pollutant Product contains environmentally hazardous substances: 4-nonylphenol, branched
Special precautions:	Warning: Corrosive substances Add "Marine Pollutant" to end of proper shipping name if shipping in a bulk container >119 gallons	Warning: Corrosive substances Danger code (Kemler): 80 Excepted quantities (EQ): Code: E2 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 500ml
	Sea Transport, IMDG	Air transport, IATA/ICAO
UN number:	UN 1760	UN 1760
UN proper shipping name:	Corrosive Liquids, n.o.s. (contains 4-nonylphenol, branched; & 1-(2-Aminoethyl) piperazine, (AEP), MARINE POLUTANT	Corrosive Liquids, n.o.s. (contains 4-nonylphenol, branched & 1-(2-Aminoethyl) piperazine, (AEP)
Transport hazard class(es):	8	8
Packing group:	II	II
Hazard label	 	
Environmental Hazard:	Yes, Marine pollutant Product contains environmentally hazardous substances: 4-nonylphenol, branched	Yes, Marine pollutant Product contains environmentally hazardous substances: 4-nonylphenol, branched
Special precautions:	Warning: Corrosive substances EMS Number: F-A,S-B Limited quantities (LQ): 1L Excepted quantities (EQ): Code E2 Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 500ml	Warning: Corrosive substances

Section 15: Regulatory Information

U.S. Regulations:

OSHA HCS: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

TSCA Regulations:

All components of this product are listed or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

EPCRA Section 302 (40 CFR Part 355) (Emergency Response Planning, Extremely Hazardous Substance): No components are subject to the reporting.

EPCRA Section 304 (40 CFR Part 355) (Emergency Release Notification Requirements): No components are subject to the reporting.

EPCRA Sections 311 & 312 (Hazardous Chemical Inventory Reporting, Hazard Categories): Acute Health Hazard, Chronic health hazard, Fire Hazard

EPCRA Section 313 (40 CFR Part 372) (Toxic Chemical Release Inventory Reporting): No components are subject to the reporting.

CERCLA Sections 102-103 (40 CFR Part 302) (Hazardous Substances Release Notification): No components are subject to the reporting.

Clean Air Act:

Ozone Depleting Substances (ODS): This product does not contain and is not manufactured with ozone depleting substances.

Hazardous Air Pollutants, OSHA, Section 112(b), Table Z-1: None of the components are listed.

Accidental Release Prevention, Section 112(r) for (40 CFR 68.130, Subpart F). None of the components are listed.

Clean Water Act:

Section 307(a): No components are subject to the reporting.

NFPA Rating

Health: 3
Flammability: 0
Instability: 2
Special Notice:

HMIS® Hazard Rating

Health: 3
Flammability: 0
Reactivity: 2
Personal Protection:

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

State Regulations:

California Prop. 65 Components:

This product does not contain chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Instruction: for regulatory information on components of this mixture, check the appropriate state websites.

International Regulations/Inventories:

Canadian Regulations:

DSL: All ingredients of this product are listed or are exempt from the DSL.

WHMIS Classification (Controlled Products Regulations):

Class D-2B: Material causing other toxic effects (Toxic)

Class E: Corrosive

WHMIS Label Information:



Section 16: Other Information**Abbreviations used in this document**

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.