

Safety Data Sheet

Product No. 19920 PELCO® Pro Cyanoacrylate Debonder

Issue Date (12-10-15)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: PELCO® Pro Cyanoacrylate Debonder

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

2.1 Classification of the substance or mixture

GHS Pictograms



GHS02 GHS07

GHS Categories

GHS02 – Flammable

Flam. Liq. 3

H226: Flammable liquid and vapor.

GHS07 - Irritant

Acute Tox. 4

H302: Harmful if swallowed.

2.2 Label elements

Hazard Pictograms



Signal Word: Warning

Hazard Statements

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P501 Dispose of waste according to applicable legislation.

2.3 Other hazards

Health Effects:

NFPA Hazard Rating: ND

HMIS® Hazard Rating: Health: 1; Flammability: 3, Reactivity: 3

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

Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

PBT: NA

vPvB: NA

Emergency overview

Appearance: Clear liquid.

Immediate effects: Onset of symptoms from any route of exposure may be delayed.

Potential health effects

Primary Routes of entry: Skin, inhalation, ingestion

Signs and Symptoms of Overexposure: Prolonged exposure can lead to mild irritation due to de-fatting.

Eyes: May cause slight irritation and corneal damage.

Skin: Not an irritant. May be absorbed through skin, causing symptoms similar to inhalation.

Ingestion: Only slightly toxic by ingestion.

Inhalation: Vapors may cause irritation to respiratory tract. In weak narcotic, higher concentrations may cause nausea, vomiting, diarrhea, and headaches.

Chronic Exposure: Repeated or prolonged skin exposure may cause dermatitis. Prolonged inhalation of vapors may cause liver damage.

Chemical Listed as Carcinogen or Potential Carcinogen: Nitromethane (75-52-5)

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

| Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No) | % | OSHA PEL mg/m3 | ACGIH TLV ppm | NTP Carcinogen | IARC Carcinogen | OSHA regulated Carcinogen |
|---|-------|-------------------|---------------|-------------------|--------------------|------------------------------|
| Nitrocarbol (Nitromethane)* (75-52-5) EC. No. 200-876-6 Index No. 609-036-00-7 Flam. Liq. 3: H226; Acute Tox. 4: H302 | 80-90 | 250 | 20 | No | 2B | Yes |

*WEL TWA (8 h) 254 mg/m3 , 100ppm

*WEL STEL (15 min) 381 mg/m3, 150 ppm

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Do not subject to friction.

Skin Contact: After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. If skin irritation occurs: Get medical advice/attention.

Inhalation: Remove affected person from the danger area and lay down. Provide fresh air. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. If swallowed, immediately drink milk or water. Call a physician immediately. Caution: If victim vomits, there is a risk of aspiration.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 36°C

Flammable Limits: ND

Auto-ignition point: ND

Fire Extinguishing Media: Water spray, carbon dioxide, extinguishing powder, alcohol-resistant foam. Do NOT use high power water jet.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray jet to protect personnel and cool endangered containers. In case of fire do not breathe fumes. Collect contaminated fire extinguishing water separately. Do not allow to enter drains or surface water.

Unusual Fire and Explosion Hazards: Combustible. Vapor may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

Hazardous combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides.

DOT Class: ND

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Personal precautions, protective equipment and emergency procedures: Wear personal protective equipment (see section 8). Remove all sources of ignition. Remove persons to safety.

Environmental precautions: Do not allow to enter into surface water or drains. Cover drains.

Methods and materials for containment and pickup: Remove all sources of ignition. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, or universal binding agents). Ventilate affected areas.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:

Handling: Take precautionary measures against static discharges. Due to danger of explosion, prevent leakage of vapors into cellars, flues, and ditches. Use only antistatically-equipped (spark-free) tools. Keep away from sources of ignition. No smoking. Protect against UV radiation/sunlight. Flammable vapors can accumulate in head space of closed systems. Handle with care: Avoid bumps, friction and impact.

Storage: Keep container tightly closed in a cool, well-ventilated place. Keep under nitrogen. Do not store together with gas; explosives; flammable solids; pyrophoric liquids and solids; self-heating substances and mixtures; substances and mixtures which, in contact with water, emit flammable gases; oxidizing liquids and solids; ammonium nitrate; self-reactive substances and mixtures; organic peroxides; non-combustible toxic substances; radioactive substances; and infectious substances.

Storage temperature: Cool location.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Use chemical fume hood. General ventilation with local exhaust in areas of high vapor concentrations.

Personal Protection Equipment

Respiratory protection: Type A gas-filtering equipment required in areas with insufficient ventilation, where exposure limit values are exceeded, or in the presence of the generation/formation of aerosols. In areas where the maximum contaminant concentration is exceeded, air-supplied respiration or self-contained breathing apparatus is required.

Protective gloves: Wear suitable protected gloves in case of prolonged or repeated skin contact. Suitable material: 0.5 mm fluororubber (160 min. penetration time).

Skin protection: Rubber apron.

Eye protection: Wear safety glasses; chemical goggles (if splashing is necessary).

Additional clothing and/or equipment: Safety shower and eye wash station.

Exposure Guidelines

See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Colorless liquid.

Odor (threshold): characteristic (ND)

Specific Gravity (H₂O=1): 1.124-1.229

Vapor Pressure: 36 hPa

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: 101°C

Melting point: -29 °C

pH: ND

Solubility in Water: 10.5% by weight @ 20°C

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable under normal conditions of use.

Conditions to Avoid: Risk of explosion by shock, friction, fire, or other sources of ignition. Adiabatic compression. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Sensitization: Do not trap between closed valves or use positive displacement pumps to discharge nitrocarbol.

Materials to Avoid (Incompatibility): Acid, amines, aldehydes, ketones, bases, lead, acetone, metal/copper/lead and their alloys, reducing agents.

Hazardous Decomposition Products: May form flammable/explosive vapor-air mixture. In case of fire, carbon monoxide, carbon dioxide, and nitrogen oxides may be released.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed:

Acute toxicity:

Oral LD50 (Rat): 940 mg/kg

Dermal LD50 (Rabbit): >2000 mg/kg

Inhalative LC50 (Rat): LCLo>12.75 (1 h)

Severe effects after repeated or prolonged exposure:

NOAEC (Rat): >200 ppm (24 mo.); chronic inhalative toxicity.

Human experience: ND

This product **does** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information for nitrocarbol (CAS # 75-52-5)

Acute Aquatic Toxicity

Fish (Pimephales promelas) LC50: >659 mg/l (96 h)

Algae (Pseudokirchneriella subcapita) ErC50: >102 mg/l (72 h)

Crustacea (Daphnia magna) EC50: >103 mg/l (48 h)

Persistence and degradability

Method: OECD 301D / EEC 92/69 annex V, C.4-E

Value: 9.9% (28 d)

Bioaccumulative potential

Log Pow: 0.17

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: For the purposes of disposal, Nitromethane is classified by EPA as a hazardous waste. Undiluted material is EPA Hazardous Waste Number D001 characteristic of ignitability.

Non-contaminated packages may be recycled. Handle contaminated packaging in the same way as the substance itself.

Control report for waste code/waste marking according to EAKV:

Waste disposal number of waste from residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances.

Waste disposal number of used product

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging

(including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances.

Classified as hazardous waste.

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: NITROMETHANE

Hazard Class: 3

Packaging group: II

UN Number: UN 1261

IATA: Proper shipping name: NITROMETHANE

Hazard Class: 3

Packaging group: II

UN Number: UN 1261

Limitations: Air cargo only

IMO: Proper shipping name: NITROMETHANE

Hazard Class: 3

Packaging group: II

UN Number: UN 1261

Marine Pollutant: No

Canadian TDG: NITROMETHANE

IMDG Page: NITROMETHANE

Limitations: IL

Section 15: Regulatory Information

United States Federal Regulations

SDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: 311/312: Acute: Yes. Chronic: Yes. Fire: Yes. Pressure: No. Reactivity: Yes
(Pure / Liquid)

SARA Title III: 302/304: None. 313: None

RCRA: None

TSCA: All components are listed.

CERCLA: All components are listed.

State Regulations

California Proposition 65: This product contains a substance known to the State of California to cause cancer – Nitrocarbol, CAS #75-52-5

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: See section 3

Section 16: Other Information

Label Information: See section 2

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

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.

SDS Form 0013F1V4