

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: PCI Dry Sol Plus Product Use: Dry Cleaning Spotter Manufactured For: Polymer Concepts, Inc. 7425 Colony Court Cumming, GA 30040	Product Identification # (PIF): 02778 Emergency Telephone #: 1-800-255-3924 ChemTel General Information #: 678-802-6018 Date Prepared: February 4, 2005 Date Revised: December 27, 2016 – version #2
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
Flammable liquid and vapor	3	H226	Flammable Liquid
Causes skin irritation	2	H315	Skin Irritation
Causes serious eye irritation	2A	H319	Eye Irritation
May cause drowsiness or dizziness	3	H336	STOT: SE, Respiratory Tract Irritation
May cause damage to organs through prolonged or repeated exposure	2	H373	STOT, Repeated Exposure
Harmful to aquatic life	3	H402	Hazardous to the Aquatic Environment, Acute

Precautionary Measures:

Precautionary	Code	Statement
Prevention	P210 P233 P240 P241 P242 P243 P260 P264 P271 P273 P280	Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe fumes/mists/vapors/sprays. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P303+P361+P353 P352 P321 P332+P313 P362 P304+P340 P312 P314 P305+P351+P338 P337+P313 P370+P378	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use foam, dry chemical, carbon dioxide fire extinguishers or water spray for extinction.
Storage	P403+P233+P235 P405	Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Prolonged/repeated skin contact may cause skin drying (dermatitis).

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient	Common Name/Synonym	CAS #	Concentration Range %
Benzene, 1-Chloro-4 (Trifluoromethyl)	Parachlorobenzotrifluoride	98-56-6	98.5 - 100

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin or Hair: Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a

trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.
Ingestion: DO NOT INDUCE VOMITING. Call a physician immediately. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: 109°F (43°C)
NFPA 30 Flammability: Class II Combustible Liquid
Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.
Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source.
Hazardous combustion products: Chlorine and fluorine gases.
Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
Sensitivity to static discharge: This product is combustible and readily ignited even by static discharge. Grounding equipment is recommended.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Keep away from heat/sparks/open flames/hot surfaces – No smoking. Ventilate area. Do not breathe fumes/mists/vapors/sprays. Wash thoroughly after handling.
For Small Spills: Avoid release to the environment. Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.
For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Use personal protective equipment (Section 8). Use only outdoors or in a well-ventilated area. Do not breathe fumes/mists/vapors/sprays. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Use proper bonding and grounding during product transfer as described in document NFPA 77. Use explosion-proof equipment and non-sparking tools. Take precautionary measures against static discharge. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not mix with other chemicals unless label instructs otherwise. Empty containers may contain residue and can be dangerous. Avoid release to the environment. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.
Storage: Keep away from heat, flame, or sunlight – Keep cool. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Ingredient</u>	<u>CAS #</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>CEL</u>
Benzene, 1-Chloro-4 (Trifluoromethyl)	98-56-6	Not established	Not established	25 ppm – 8hr TWA

Engineering Controls: Provide adequate ventilation. Keep the risk of exposure to a minimum.

Personal protective equipment:

- Eye: Safety glasses with side shields or splash proof goggles. Use face shield when handling large amounts.
- Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots.
- Respirator: Use NIOSH approved protection with organic vapor cartridge if PEL is exceeded or if vapors are causing irritation or if mists/spays are generated.
- Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Naphthalenic	Vapor pressure	5.3 mmHg @ 20C
Odor threshold	Not determined	Vapor density (Air = 1)	6.2
pH	N/A	Relative Density (water = 1.0)	1.343 g/ml
Melting point	Not determined	Solubility in water	29 ppm @ 23C
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	109°F (43°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class II Combustible	VOC by weight	0%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Chemical stability: Stable under normal, ambient temperature and conditions.
Possibility of hazardous reactions: Hazardous polymerization will not occur.
Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals unless product information instructs to do so.
Incompatible materials: Avoid strong oxidizing agents.
Hazardous combustion products: Chlorine and fluorine gases.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >5000mg/kg
Dermal (LD50 Rabbit): >2700 mg/kg
Inhalation (LC50 Rat): >4479 ppm

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged/repeated skin exposures can result in dermatitis.

Serious eye damage/irritation: Serious eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: No data available.

Carcinogenicity: NTP/IARC/OSHA Carcinogen: Not classified

Reproductive toxicity: No data available.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure: Can cause harm to kidneys, liver and central nervous system.

Aspiration hazard: Not classified.

Ingestion: May irritate the mouth, throat and gastrointestinal tract.

Likely routes of exposure: Eyes, skin and inhalation

Interactive effects: Use of alcoholic beverages enhances acute overexposure effects of harm to kidneys, blood, liver and central nervous system. Persons with skin, respiratory, liver or kidney problems should avoid use.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): 13.5 mg/L
48h LC-50 (invertebrates): 12.4 mg/L
72h IC-50 (algae): 500 mg/L

Persistence and degradability: Not determined.

Bioaccumulative potential: Not determined.

Mobility in soil: Soil mobility not determined.

Other adverse effects: Harmful to aquatic life- Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Harmful to aquatic life - avoid release to the environment.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:

Container of 119 gallons or less:

Combustible Liquid (49 CFR 173:120(b)(2): This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids. This exception does not apply to transportation by vessel or aircraft.

Container of 120 gallons or more:

UN/ID No.: UN2234
Proper Shipping Name: Chlorobenzotrifluorides
Hazard Class: 3
Packing Group: III

IATA and IMDG:

UN/ID No.: UN2234
Proper Shipping Name: Chlorobenzotrifluorides
Hazard Class: 3
Packing Group: III
Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
GHS Harmful to aquatic life
Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Table with 4 columns: Health Hazard, Fire Hazard, and Reactive Hazard. Rows include Immediate (Acute) Health, Delayed (Chronic) Health, Fire Hazard, and Reactive Hazard.

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: None known.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Prepared: December 27, 2016, vs. #2 – SDS updated to meet revision #5 GHS requirements.

Hazard Ratings (HMIS): Health 2, Flammability 2, Reactivity 1 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CEL	Corporate Exposure Limit
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SE	Single Exposure
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.