

# SAFETY DATA SHEET

## SECTION 1 — IDENTIFICATION

**Product identifier:** Pettyjohns Powder Stain Remover

**Product Number:** 1060PJ

**Chemical Family:** Mixture

**Generic Description:** Powdered Dry Cleaning Fluid

**Date Revised:** May 7, 2018

**Reason for Revision:** New Issue.

**Manufacturer's name and address:** Refer to supplier

**Supplier name and address:**

### *Pettyjohns Solutions*

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Wake Forest, NC 17587

United States

919.556.4641

[www.PettyjohnsSolutions.com](http://www.PettyjohnsSolutions.com)

**Emergency Telephone #:** Chemtrec (Day or Night) 800-424-9300  
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This SDS complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

**IMPORTANT:** Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

## SECTION 2 — HAZARDS IDENTIFICATION



### DANGER

#### HAZARD CATEGORIES:

Flammable aerosol, category 1  
Gas under pressure, dissolved  
Eye irritant, 2A  
Aspiration Hazard, category 1

#### HAZARD STATEMENTS:

Extremely Flammable Aerosol  
Contains gas under pressure; may explode if heated  
Causes serious eye irritation  
May be fatal if swallowed and enters airways

Keep away from heat, open flames, and hot surfaces. –No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing spray. Wash hands thoroughly after handling. Wear eye protection. Use only outdoors or in a well-ventilated area. Dispose of container to a licensed waste disposal company.

Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C). Store locked up in a well ventilated place.

IF SWALLOWED: Immediately call a POISON CONTROL CENTER. Do **NOT** induce vomiting. 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. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

HMIS Powder Stain Remover	
HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	2
PERSONAL PROTECTION	A

1=SLIGHT HAZARD; Irritation or minor reversible injury possible
3=SERIOUS HAZARD; Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73°F and boiling points above 100°F as well as liquids with flash points between 73°F and 100°F. (Classes IB & IC)
0=MINIMAL HAZARD; Materials that are normally stable under fire conditions and will not react to water, polymerize, decompose, condense, or self react.
A= Safety Glasses

### SECTION 3 — HAZARDOUS INGREDIENTS

COMPONENT(S)	CAS #	% by Weight
Pentane	109-66-0	7-13%
Methylal	109-87-5	3-7%
1,1-Difluoroethane	75-37-6	15-40%
Hexamethyldisiloxane	107-46-0	30-60%
Hydrated Amorphous Silica	112926-00-8	1-5%

*The chemical composition and percentages are considered trade secrets. .  
Refer to Section 8 for exposure limits and recommendations.*

### SECTION 4 — FIRST AID MEASURES

**Skin:** For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.  
**Eye:** 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.  
**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell. If the affected person is not breathing, apply artificial respiration. Call a physician if symptoms develop or persist.  
**Ingestion:** Immediately call a POISON CONTROL CENTER. If the material is swallowed, get immediate medical attention or advice. DO NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention. Do not give anything.

### SECTION 5 — FIRE FIGHTING MEASURES

**Extinguishing Media:** Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools this may results in frothing and increase fire intensity.  
**Basic Fire Fighting Procedures:** Dangerous when exposed to heat or flame. This material can be ignited by flame or spark under normal atmospheric condition. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Pressurized Container: May explode when exposed to heat or flame. Empty containers may retain product residue including Flammable or Explosive vapors. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers.  
**Dust Explosion Hazard:** None known.  
**Sensitivity To Mechanical Impact:** Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.  
**Unusual Fire & Explosion Hazards:** During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a build up of internal pressures. Cool with water.  
**Fire Fighting Equipment/Instructions:** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

**Flash Point: concentrate: > -40.02F                      propellant: -156 F**  
**Flammability limits in air:**  
 Concentrate:    7.8 upper % by volume                      1.5 lower % by volume concentrate

Propellant: 9.5 upper % by volume

1.8 lower % by volume propellant

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

**Emergency Action:** Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate protective equipment and clothing during clean-up.

**Containment:** Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with non-flammable absorbent and place in closed chemical waste containers.

Wear OSHA-approved eye protection or goggles.

**SECTION 7 — HANDLING & STORAGE**

**Handling:** Keep this product away from heat, sparks or open flame. Avoid getting this material into contact with your skin and eyes. Avoid breathing mists or aerosols of this product. Use this product with adequate ventilation. Do not reuse the empty container. **Storage:** Store locked up in a cool, dry, well-ventilated area. Protect from sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of direct sunlight. Do not store above 122°F (50°C). **Empty Container Precautions:** Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container.

**SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product. **Eye Protection:** Wear goggles or safety glasses with side shields. **Skin and Body Protection:** Impervious gloves should be used when handling this product. Use of protective coveralls and long sleeves is recommended. **Respiratory Protection:** Use NIOSH approved respiratory protection. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA). **General:** Use good hygiene practices in handling this material.

**Exposure Limits:** (PARTS PER MILLION)

Component(s)	TLV	OSHA-PEL	OSHA-STEL	SARA 313	Prop 65	VOC
Pentane	600 ppm	1000ppm	750ppm			X
Methylal	1000 ppm					X
1,1-Difluoroethane	1000 ppm					
Hexamethyldisiloxane						

Other raw materials are considered trade secret.

**SECTION 9 — PHYSICAL & CHEMICAL PROPERTIES**

**Appearance:** White

**Odor:** Hydrocarbon-like

**Odor threshold:** N/A

**pH:** N/A

**Melting/freezing point:** N/A

**Boiling point:** 96.98°F

**Flash point:** [see below]

concentrate: -40.02°F

propellant: -156°F

**Evaporation rate:** 28.6 (butyl acetate=1)

**Flammability:** Flammable gas

**Explosive limits:** [see below]

concentrate: 1.5-7.8 % by volume

propellant: 1.8-9.5 % by volume

**Vapor pressure:** N/A

**Vapor density:** N/A

**Relative density:** 0.631

**Solubility:** N/A

**Partition coefficient:** N/A

**Auto-ignition temperature:** Does not auto-ignite

**Decomposition temperature:** N/A

**Viscosity:** N/A

**%VOC:** <15%

## SECTION 10 — STABILITY & REACTIVITY

Hazardous polymerization will not occur. Condition to avoid: Keep away from sources of ignition. Avoid contact with strong oxidizers, reducers, acids, and alkalis. Stability: This product is stable under normal conditions.

## SECTION 11 — TOXICOLOGICAL INFORMATION

**Pentane:** Oral LD50: >2g/kg (rat)  
Inhalation LC50: 364mg/l – 4 hours (rat)

**Methylal:** Inhalation LC50: 15000ppm (rat)  
Oral LD50: 6653 mg/kg (rat)

**Propane:** Inhalation LC50: 658 mg/L/4H (rat)

**Butane:** Inhalation LC50: 658 mg/L/4H

No ingredient is listed on the National Toxicology Program Report on Carcinogens  
No ingredient is listed on the International Agency for Research on Cancer Monograph list

## SECTION 12 — ECOLOGICAL INFORMATION

Not determined

## SECTION 13 — DISPOSAL CONSIDERATION

We make no guarantee of warranty of any kind that the use of and/or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

**Waste Disposal:** Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

## SECTION 14 — TRANSPORT INFORMATION

Ground Transportation: (Continental United States, Canada & Mexico): Consumer Commodity ORM-D

Ocean: UN 1950 Class 2.1 Flammable Gas, Limited Quantity

Air: We do NOT recommend this product to be shipped via air. It would need to be repacked by an authorized packing company and the DG would have to be completed by a licensed hazardous material shipping company.

## SECTION 15 — REGULATORY INFORMATION

<b>Pentane:</b>	US. EPA CERCLA Hazardous Substances (40 CFR 302) SARA: Acute Health Fire Hazard	100lbs
<b>Methylal:</b>	Listed on TSCA Inventory. SARA: Acute Health Fire Hazard Reactive: Yes	

**SECTION 16 — OTHER INFORMATION**

The information in this MATERIAL SAFETY DATA SHEET is pursuant to 29 CFR 1910.1200 to convey information concerning the hazardous nature of this product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all direction and warnings on the label be read and understood