# MATERIAL SAFETY DATA SHEET

**Product Code:** **B015003** **PEARLdry CLEANER**

## SECTION 1: MANUFACTURER IDENTIFICATION

| HEALTH | 1 |
|---|---|
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

Manufacturer's Name: Day International Chemical Products Div.
Address: 130 West Second Street, Suite 1700
Dayton, Ohio 45402

Emergency Phone: 800-424-9300 CHEMTREC®
Name of Preparer: Day Chemical Prod. Div

Information Phone: 800-336-8276
Date Printed: 8/20/2007
Date Revised: 08/20/2007

## SECTION 2: HAZARDOUS INGREDIENTS / SARA III INFORMATION

| Component | CAS Number | Vapor mm Hg | Pressure @ Temp | Weight Percent |
|---|---|---|---|---|
| Isopropanol<br>OSHA PEL: 400ppm, ACGIH® TLV®,TWA: 200ppm, STEL: 400ppm | 67-63-0 | 31.2 | 68°F | 78.5% |
| Petroleum Naphtha<br>OSHA PEL: 500ppm TWA, ACGIH® TLV®: N/E, Mfg.: 100ppm | 64742-47-8 | 2.8 | 68°F | 10.6% |
| Petroleum Naphtha<br>OSHA PEL: N/E, ACGIH® TLV®: N/E, Mfg.:100mg/m3 (19 ppm) | 64742-95-6 | 2.7 | 68°F | 5.4% |
| * 1,2,4-Trimethyl Benzene<br>OSHA PEL: N/E: ACGIH TWA 25 PPM (1,2,4 trimethyl benzene is a component of petroleum naphtha 64742-95-6) | 95-63-6 | | | 2% |

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III and of 40 CFR 372.
All ingredients are listed on the EPA TSCA Inventory

## SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

| | |
|---|---|
| **BOILING RANGE / POINT:** | 180°F - 338°F |
| **VAPOR DENSITY:** | Heavier than air. |
| **EVAPORATION RATE:** | Faster than n-Butyl Acetate. |
| **V.O.C. (EPA METHOD 24) lb/gl:** | 6.53 |
| **VAPOR PRESSURE (MM HG @20 C):** | 24.56 |
| **SOLUBILITY IN WATER:** | Emulsible |
| **APPEARANCE AND ODOR:** | Yellow Liquid - alcohol & petroleum odor |
| **SPECIFIC GRAVITY (H20=1):** | 0.83 |

## SECTION 4: FIRE AND EXPLOSION HAZARD DATA

| | |
|---|---|
| **FLASH POINT:** | 59°F |
| **METHOD USED:** | TAG CC |
| **FLAMMABLE LIMITS IN AIR BY VOLUME:** | |
| **LOWER:** | 1.0% |
| **UPPER:** | 12.0% |

**EXTINGUISHING MEDIA:**

Foam, CO2, Dry Chemical, Water Fog.

**SPECIAL FIREFIGHTING PROCEDURES:**

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved) and full protective gear. Water may not be effective to extinguish fire. Use water spray to cool fire-exposed containers and to protect personnel.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Treat as a petroleum fire. Vapors can travel to source of ignition and flash back.

## SECTION 5: REACTIVITY DATA

**STABILITY:**

Stable

**CONDITIONS TO AVOID:**

Avoid heat, sparks, flame and other sources of ignition.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Avoid mixing with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:**

Burning will produce oxides of carbon and dense smoke.

**HAZARDOUS POLYMERIZATION:**

Will Not Occur.

## SECTION 6: HEALTH HAZARD DATA

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Excess vapor concentrations are attainable. Overexposure will cause irritation of the nose and throat and cause signs of nervous system depression such as headache, drowsiness, dizziness and unconsciousness.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Skin and eye contact may cause moderate to severe irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Single prolonged exposure is not likely to result in the product being absorbed through the skin in harmful amounts.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Ingestion of this product will cause nausea, gastro-intestinal irritation, diarrhea and possible damage to vital organs. Follow first aid procedures.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

Repeated or abusive breathing of concentrated vapors may effect pulmonary, cardiovascular, and central nervous systems. Repeated skin contact will dry out and crack skin. Aspiration hazard if swallowed; aspiration of product into the lungs can cause chemical pneumonitis.

| | |
|---|---|
| **CARCINOGENICITY NTP CARCINOGEN:** | No |
| **IARC CARCINOGEN:** | No |
| **OSHA CARCINOGEN:** | No |

**MEDICAL CONDITIONS GENERALY AGGRAVATED BY EXPOSURE:**

Skin contact may aggravate pre-existing dermatitis. Inhalation of vapors may aggravate pre-existing asthma like conditions.

**EMERGENCY AND FIRST AID PROCEDURES:**

INHALATION: Remove victim to fresh air. Give oxygen if breathing is labored. Apply artificial respiration if not breathing. Seek medical help. SKIN: Remove all contaminated clothing and shoes. Wash with soap and water. Do not reuse clothing and shoes until cleaned. EYES: Flush eyes with plenty of water while removing any contact lenses. Hold eyelids open and continue flushing for at least 15 minutes. INGESTION: DO NOT INDUCE vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek medical attention immediately.

## SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASES OR SPILLED:**

Eliminate all ignition sources. Spills should be diked and must be kept from entering the sewer. Soak up with absorbent or transfer liquid into a closed container for later disposal. Use spark-proof tools and explosion proof equipment.

**WASTE DISPOSAL METHOD:**

If this product as supplied, becomes a waste it is regulated by RCRA as Ignitable Waste, EPA I.D. #D001. Suitable methods of disposal include reclamation and fuel blending. Contact a Licensed Hazardous Waste Hauler for more information.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Containers should be grounded and bonded before transferring product. Store in the original closed container away from sunlight, excess heat, sparks, flames and other sources of ignition. Avoid skin or eye contact. Avoid breathing vapors. When transferring or using this product, wear proper personal protective equipment. Store and handle as a Flammable Liquid.

**OTHER PRECAUTIONS / DOT INFORMATION:**

DOT Proper Shipping Name: Flammable Liquid, n.o.s. (Isopropanol, Petroleum N aphtha), Hazard Class: 3, ID No.: UN1993, Packing Group II. Product is class ified as an OSHA Class IB Flammable Liquid.

## SECTION 8: CONTROL MEASURES

**RESPIRATORY PROTECTION:**

The use of respiratory protection is advised when concentrations exceed the established exposure limits in SECTION 2. Depending on the airborne concentr ation, use a respirator with appropriate organic vapor cartridge (NIOSH appr oved).

**VENTILATION:**

If current ventilation is inadequate to maintain concentrations below the established exposure limits in SECTION 2, additional ventilation or local exhaust system is required. Explosion proof electrical systems must be used.

**PROTECTIVE GLOVES:**

Avoid prolonged or repeated skin contact. Wear solvent resistant gloves made of nitrile or butyl rubber.

**EYE PROTECTION:**

Wear safety glasses with side shields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

A personal protective rating of X means you must see your supervisor for guidance. OSHA regulations (29CFR Part 1910, Subpart I) require employers to evaluate Personal Protective Equipment requirements in the workplace.

**WORK/HYGIENIC PRACTICES:**

Wash with soap and water after product contact with skin.

## SECTION 9: DISCLAIMER

The information on this MSDS is believed to be accurate as of the date shown in SECTION 1. Since the use of this product is not under the control of the manufacturer, it is the user's responsibility to determine what constitutes safe usage for a particular product. This form may be reproduced in quantities necessary to meet your requirements.