

Product Code:       MSDS118  
Product Name:        FLEXCOAT  
                      ITEM CODE: 662776

24-hour Emergency Phone:                               (800) 535-5053

HMIS CODES H F R P  
              1 0 0 X

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**DISTRIBUTED BY:**  
                          DAYCON PRODUCTS COMPANY, INC.  
                          16001 TRADE ZONE AVE.  
                          UPPER MARLBORO, MD 20774

**2. HAZARDS IDENTIFICATION**

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This product is expected to be non-irritant to eyes and skin based on products of similar composition. No specific hazard is identified and expected in normal industrial use. Vapor and mist may cause respiratory tract irritation. If toxic amounts are inhaled or absorbed through the skin and gastrointestinal tract, they may cause central nervous system depression, respiratory and gastrointestinal tract and liver injury. May cause liver and kidney damage. The mixture does contain Ammonium hydroxide, which is reportable under SARA. While this material has a low level of toxicity, good industrial hygiene practices are encouraged to minimize exposure.

**Potential Health Effects**

**EYE:**  
Moderately irritating.

**SKIN:**  
May cause mild skin irritation. Symptoms may include redness and burning of skin. This material is unlikely to pass into the body through the skin.

**INGESTION:**  
Very low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Large doses may cause sore throat, coughing, labored respiration, dizziness, dullness, abdominal pain, vomiting, central nervous system depression, convulsions, and death due to respiratory failure.

**INHALATION:**  
If inhaled in sufficient quantity, may cause temporary irritation to respiratory tract, coughing and shortness of breath. Prolonged inhaling may affect breathing capacity. Prolonged exposure may produce headaches, and mucous membrane irritation. Inhalation of vapors and mist of the product may be irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and loss of motor skills.

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**CHRONIC (CANCER) INFORMATION:**

Not listed by IARC or NTP as a carcinogen.

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

Not classified as a teratogen.

**REPRODUCTION INFORMATION:**

Does not harm reproductive cells.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Component/Exposure Limits                               | CAS#        | % by Wt.      |
|---|-------------|---------------|
| -----   |             |               |
| Inert - Non Hazardous                                   |             |               |
| Acrylate Copolymer                                      | 25987-66-0  | Not Regulated |
| Diethylene Glycol Monomethyl Ether                      | 111-90-0    | Not Regulated |
| Polyethylene Emulsion (Nonhazardous)                    | Mixture     | Not Regulated |
| Urethane Polymer/solids                                 | Proprietary | Not Regulated |
| Tributoxyethyl phosphate                                | 78-51-3     | Not Regulated |
| Dipropylene Glycol Monomethyl Ether                     | 34590-94-8  | Not Regulated |
| ACGIH TWA: 100 ppm, STEL: 150 ppm                       |             |               |
| NIOSH REL: 100 ppm, 600 mg/m3                           |             |               |
| NIOSH STEL: 150 ppm, 900 mg/m3                          |             |               |
| OSHA Z1 PEL: 100 ppm, 600 mg/m3                         |             |               |
| Zinc Complex  | 38714-47-5  | .9            |
| Ammonium hydroxide                                      | 1336-21-6   | .6            |
| TWA: 25 ppm; STEL: 35 ppm                               |             |               |
| OSHA TRANS PEL: 50 ppm, 35 mg/m3                        |             |               |
| ACGIH STEL: 35 ppm, 24 mg/m3                            |             |               |
| Exposure limits are for ammonia (CAS 7664-41-7) in air. |             |               |

**4. FIRST AID MEASURES**

**EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

**SKIN:**

Wash with soap and water. Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

**INGESTION:**

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If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician.

**INHALATION:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIANS:**

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

**FLASH POINT: 223.88 C**                               **Method:**  
Greater than 200F. Not flammable.

**FLAMMABLE LIMITS:**

**Lower flammable limit: N/A**  
**Upper flammable limit: N/A**

**AUTOIGNITION TEMPERATURE:**

Not Applicable.

**HAZARDOUS COMBUSTION PRODUCTS:**

Oxides of carbon and nitrogen. May form: Carbon dioxide and carbon monoxide, Phosphorus compounds, Oxides of phosphorus, toxic fumes.

**EXTINGUISHING MEDIA:**

For a SMALL fire, Use dry chemicals, CO2, water spray or alcohol-resistant foam. For a LARGE fire, use water spray, water fog or alcohol resistant foam. Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

**FIREFIGHTING INSTRUCTIONS:**

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines. Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool containers and fire affected zone until fire is out and danger of reignition as passed. Fight fire from protected location or safe distance.

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**6. ACCIDENTAL RELEASE MEASURES**

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**SMALL SPILL:**

Use appropriate containment to avoid run-off. Keep out of streams, sewers and waterways. Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

**LARGE SPILL:**

If possible, clean up spill area and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

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**7. HANDLING AND STORAGE**

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**HANDLING:**

Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation/personal protection. Avoid contact with eyes, skin or clothing. Keep containers closed when not in use.

**STORAGE:**

Keep containers covered. Keep containers covered. Avoid eye and prolonged skin contact. Store between 5°C - 35°C. Take the usual chemicals handling precautions. Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Wash thoroughly after handling. Do not take internally. Keep out of reach of children. Do not contaminate food or water by storage or disposal. Keep containers closed when not in use. Store in original containers.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:**

Use local and general exhaust ventilation to effectively remove and prevent buildup of mist/vapors/fumes generated from handling this product.

**RESPIRATORY PROTECTION:**

None Normally Needed. If irritation is experienced, a NIOSH-approved respirator should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure. Respiratory protection may be needed for non-routine or emergency situations.

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**SKIN PROTECTION:**

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

**EYE PROTECTION:**

Chemical splash goggles with side shields recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING POINT: 370.9 F  
MELTING POINT: Not applicable.  
VAPOR PRESSURE: NO INFORMATION AVAILABLE.  
VAPOR DENSITY: (Air=1): >1  
SOLUBILITY IN WATER: Emulsifies Soluble  
SPECIFIC GRAVITY: 1.027  
pH: 8-9.2  
ODOR: Ammoniacal odor.  
APPEARANCE: Opaque milky white liquid.

**10. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

Stable.

**INCOMPATIBILITY:**

Strong oxidizing agents, strong acids. Strong Alkali. Do not mix with acids or cationic materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon, may be emitted if product burns. Thermal decomposition on burning may produce toxic gases. Oxides of carbon and phosphorous. Phosphorous compounds.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

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**EYE:**

Direct contact may cause irritation.

**SKIN:**

Direct contact may cause irritation. Skin irritant. Prolonged or repeated contact as with clothing wet with material

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may cause dermatitis. Symptoms include redness, edema, drying, and cracking. Toxic amounts may be absorbed through the skin.

**INGESTION:**

May cause nausea.

**INHALATION:**

Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches.

**SUBCHRONIC:**

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

**CHRONIC/CARCINOGENICITY:**

Not classified as a carcinogen.

**TERATOLOGY:**

Not a teratogen.

**REPRODUCTION:**

Not expected to effect human reproduction.

**MUTAGENICITY:**

Not mutagenic.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:**

Highly mobile in soil. If this product becomes a waste, it does not exhibit the properties of ignitability, corrosivity, reactivity or environmentally persistent toxicity. This material is highly soluble in water. It should exhibit low toxicity to aquatic organisms.

**CHEMICAL FATE INFORMATION:**

Not classified as a marine pollutant. Volatilization from dry soil surfaces is expected. While this material may evaporate into the air from dry soil, it is unlikely to evaporate from moist soil or water. It is expected to exist solely as a vapor in the ambient atmosphere. Vapor phase is degraded in the atmosphere by reaction with photochemically produced hydroxyl radicals and ozone.

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**13. DISPOSAL CONSIDERATIONS**

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Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.  
Dispose empty containers in accordance with applicable regulations.

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**14. TRANSPORT INFORMATION (Not meant to be all inclusive)**

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This product is "Non-flammable, Non-hazardous, Not Restricted" for Transport purposes. Not regulated.

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**15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent**

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**U.S. FEDERAL REGULATIONS:**

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200

**OSHA:**

HAZCOM STANDARD Not Regulated.

**CERCLA: SARA HAZARD CATEGORY:**

Materials listed in 29 CFR 1910, Subpart Z are identified in Section 2. Contains an ingredient that is a fire hazard.

**SECTION 313:**

Contains an ingredient that is reported as "Glycol Ethers." See section 2 (Composition/Information on Ingredients)

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**

NO INFORMATION AVAILABLE.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):**

NO INFORMATION AVAILABLE.

**EINECS:**

NO INFORMATION AVAILABLE.

**STATE REGULATIONS:**

NO INFORMATION AVAILABLE.

**VOLATILE ORGANIC COMPOUNDS:**

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NO INFORMATION AVAILABLE.

**16. OTHER INFORMATION**

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**SDS Status:**

Compliant with OSHA's new GHS safety data sheet (SDS).

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of Daycon Products Company, Inc., therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.