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DuPont
Material Safety Data Sheet

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"Teflon" Advanced for Wool
10705PP Revised 13-AUG-2001

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"Teflon" is a registered trademark of DuPont.

Company Identification

MANUFACTURER/DISTRIBUTOR

DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515 (outside the U.S.
302-774-1000)
Transport Emergency : CHEMTREC 1-800-424-9300(outside U.S.
703-527-3887)
Medical Emergency : 1-800-441-3637 (outside the U.S.
302-774-1000)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

| Material | CAS Number | % |
|---|------------|-------|
| NJ Trade Secret Registry #00850201001-5365P | | 3-4 |
| Water | 7732-18-5 | 90-95 |

HAZARDS IDENTIFICATION

Potential Health Effects

Skin contact may cause skin irritation with discomfort or rash.

Eye contact may cause eye irritation with discomfort, tearing or blurring of vision.

Inhalation of respirable particles of NJ Trade Secret Registry #00850201001-5365P may cause lung irritation effects with cough, discomfort, difficulty breathing, shortness of breath or possibly modest symptoms, followed in hours by severe shortness of breath requiring prompt medical attention.

Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures.

(HAZARDS IDENTIFICATION - Continued)

DuPont measurements made on similar products during spray application using airless type spray equipment show that NJ Trade Secret Registry #00850201001-5365P airborne levels would be below 1.0 mg/m³, 8 hr. time weighted average, the acceptable limit used within DuPont for respirable particles of the NJ Trade Secret Registry #00850201001-5365P. Significant concentrations of respirable particles would not be formed in other non-spray applications.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

Flush skin with water after contact. Wash contaminated clothing before reuse.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point : Does not ignite
Method : PMCC

Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Wear self-contained breathing apparatus. Wear full protective equipment.

Avoid breathing decomposition products.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Clean Up

Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

Accidental Release Measures

Flush spill area with water.

HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Avoid circumstances that produce respirable particles unless suitable ventilation and respirator are used.

Storage

Keep container tightly closed.

(HANDLING AND STORAGE - Continued)

Perishable if frozen. Keep away from open flames and heated surfaces above 200 degrees C (392 deg F).

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.
Vent heated extruder or dryer fumes outside work area. Do not aerosolize. In spray applications, use airless type pressure spray equipment at less than 60 psi, and exhaust ducts, drip pans, or other design features to minimize worker exposure to mists and overspray.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses or coverall chemical splash goggles.

RESPIRATORS

Wear NIOSH approved respiratory protection as appropriate.

PROTECTIVE CLOTHING

Where there is potential for skin contact have available and wear as appropriate, impervious gloves, apron, pants, and jacket.

Exposure Guidelines

Exposure Limits

"Teflon" Advanced for Wool

| | |
|-------------|--------------------|
| PEL (OSHA) | : None Established |
| TLV (ACGIH) | : None Established |

Exposure Guideline Comments

No AEL has been established for this product. Other products with fluorinated material components have an AEL of 0.1 mg/m³ to 1 mg/m³ (8 hour TWA) for respirable size aerosol particles.

Air monitoring studies conducted at customer sites indicates that the use of the recommended low pressure (less than 60 psi) airless type, garden type or deck specific hand pump sprayer with spray tip orifice minimum of 0.031 inches in diameter does not produce respirable size aerosol particle concentrations near the AEL.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Boiling Point : 100 C (212 F) @ 760 mm Hg
% Volatiles : ~79 WT%
Solubility in Water : Dispersible
pH : 1.8-3.4
Form : Liquid, Opaque, Milky
Color : White to Tan

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

Incompatible with alkalies and anionic surfactants
(coagulates).

Decomposition

Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

NJ Trade Secret Registry #00850201001-5365P

Inhalation 4 hour LC50: 76-80 mg/m3 in rats
(respirable particles)

The product contains a slight skin irritant, a moderate eye irritant, and is untested for skin sensitization in animals. Toxic effects observed in animals from exposure by inhalation, ingestion or skin contact to the product ingredients may include pulmonary edema, lung effects and nonspecific effects such as weight loss and irritation. There are no animal test data for NJ Trade Secret Registry #00850201001-5365P for carcinogenic, mutagenic, developmental or reproductive effects.

