



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

Page 1

"ZONYL" 9933
11331PP Revised 28-JUN-2006

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Tradenames and Synonyms

Aftermarket Carpet Protector

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	%
Partially Fluorinated Urethane Polymer		12-15
Acrylic Copolymer		14-16
Water	7732-18-5	69-71
Anionic Dispersant		1-2

HAZARDS IDENTIFICATION

Potential Health Effects

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

Skin contact may cause skin irritation with discomfort or rash. Evidence from animal tests suggests that skin permeation may occur. The compound may cause skin sensitization in susceptible humans.

Overexposure by inhalation to respirable particles of the product 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.

(HAZARDS IDENTIFICATION - Continued)

Higher exposures may lead to nonspecific discomfort, such as nausea, headache, or weakness.

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

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.

FIRE FIGHTING MEASURES

Flammable Properties

Non-flammable.

Extinguishing Media

Use media appropriate for surrounding material.

(FIRE FIGHTING MEASURES - Continued)

Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus (SCBA) and full protective equipment.

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.

Wear self-contained breathing apparatus (SCBA) and full protective gear.

Initial Containment

Dike spill.

Spill Clean Up

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

HANDLING AND STORAGE

Handling (Personnel)

Avoid inhalation. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Wash clothing after use.

Handling (Physical Aspects)

Keep container tightly closed.

Perishable if frozen. Do not aerosolize.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses, or where splash potential exists wear chemical splash goggles.

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

RESPIRATORS

Where the potential exists for airborne exposure, wear NIOSH approved respiratory protection.

PROTECTIVE CLOTHING

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

Exposure Guidelines

Exposure Limits

"ZONYL" 9933

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 indicate 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)
Freezing Point	: 0 C (32 F)
% Volatiles	: 70 %
Solubility in Water	: Dispersible
pH	: 4-8
Odor	: (slight), Acrylic.
Form	: Liquid.
Specific Gravity	: 1.08

STABILITY AND REACTIVITY

Chemical Stability

Stable.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition will not occur.

Polymerization

Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data

Partially Fluorinated Urethane Polymer:

Inhalation 4 hour ALC: 590 mg/m³ in rats
Oral ALD: >11,000 mg/kg in rats

The product is a moderate eye irritant and is not a skin irritant in animals.

Toxic effects observed in animals from exposure to the product by inhalation include slight weight loss, nasal and ocular discharge, labored breathing and lethargy. Toxic effects observed in animals from exposure to the product by ingestion include slight weight loss and lethargy.

No animal test reports are available to define carcinogenic, mutagenic, developmental or reproductive hazards.

Anionic Dispersant:

Inhalation 4 hour ALC: 310 mg (particulate)/m³ in rats
Oral LD50: 1260 mg/kg in rats

The compound is a moderate to severe skin irritant, is a severe eye irritant, but is untested for animal sensitization.

Single high doses by inhalation of the particulate caused transient weight loss.

Repeated oral doses in animals caused mild liver changes.

The effects in animals from repeated skin exposure to this

(TOXICOLOGICAL INFORMATION - Continued)

material include swelling and hardening of skin.

Tests in animals demonstrate no carcinogenic activity. One report indicates that this compound caused mutation in a mammalian cell culture; it does not produce genetic damage in animals. It has not been tested for heritable genetic damage. Tests in some animals indicate that the compound may have developmental toxicity, but only at dose levels that are maternally toxic. Tests in animals demonstrate no reproductive toxicity.

ECOLOGICAL INFORMATION

Ecotoxicological Information

Aquatic Toxicity:

Partially Fluorinated Urethane Polymer:

96 hour LC50, Fathead minnows : >4,000 mg/L

Anionic Dispersant:

96 hour LC50, rainbow trout: 1.7 mg/L

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

TRANSPORTATION INFORMATION

Shipping Information

Not Regulated as a hazardous material by DOT, IMO, or IATA.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : Listed.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : No

(REGULATORY INFORMATION - Continued)

Reactivity : No
Pressure : No

OTHER INFORMATION

NFPA, NPCA-HMIS

NPCA-HMIS Rating
Health : 2
Flammability : 0
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsible for MSDS : MSDS Coordinator
> : DuPont Chemical Solutions Enterprise
Address : Wilmington, DE 19898
Telephone : (800) 441-7515

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS