

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

Material Safety Data Sheet

HDPE003

Revised 4-MAY-2004

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Product Name Polyethylene 7001 High Density Utility Grade.

Company Identification

The Dow Chemical Company
2030 Willard H. Dow Center
Midland, MI 48674
USA

PHONE NUMBERS

Customer Information Number: 800-258-2436

Emergency Telephone Number: 989-636-4400

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
COPOLYMER OF ETHYLENE AND BUTENE	-1 25087-34-7	100

Components (Remarks)

Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

HAZARDS IDENTIFICATION

Potential Health Effects

EFFECTS OF OVEREXPOSURE:

EYE CONTACT:

Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN CONTACT:

Essentially nonirritating to skin. Mechanical injury only.

SKIN ABSORPTION:

A single prolonged skin exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

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(HAZARDS IDENTIFICATION - Continued)

INGESTION: May cause choking if swallowed. Single dose oral toxicity is believed to be very low.

INHALATION:

Vapors are unlikely due to physical properties.
Single exposure to dust is not likely to be hazardous.

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

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical treatment for thermal burn.

EYE CONTACT

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

INGESTION

No specific intervention is indicated as compound is not likely to be hazardous by ingestion.

FIRE FIGHTING MEASURES

Flammable Properties

Dense smoke emitted when burned without sufficient oxygen. Accumulation of fine dust particles could pose explosion hazard.
Dust forms explosive mixture with air.
Hazardous gases/vapors produced in fire are combustible gases.

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(FIRE FIGHTING MEASURES - Continued)

Extinguishing Media

Water Fog, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear 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.

Accidental Release Measures

Sweep up and discard.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing dust. Avoid contact with eyes, skin, or clothing.
Wash thoroughly after handling.

Storage

Store in a well ventilated place. Keep container tightly closed.
Store in a manner that material is not exposed to ultra
violet light.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Keep container tightly closed. Use static controls. Static
charges can build up and ignite dust or solvent laden atmospheres.
Use ventilation that is adequate to keep employee exposure to
airborne concentrations below recommended exposure
limits.

Personal Protective Equipment

EYE/FACE PROTECTION

Wear safety glasses. Wear coverall chemical splash goggles and
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(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

face shield when possibility exists for eye and face contact due
to splashing or spraying of molten material. A full face mask
respirator provides protection from eye irritation.

RESPIRATORS

A NIOSH/MSHA approved air purifying respirator with an organic
vapor cartridge with a dust/mist filter may be permissible under
certain circumstances where airborne concentrations are expected
to exceed exposure limits. Protection provided by air purifying
respirators is limited. Use a positive pressure air supplied
respirator if there is any potential for an uncontrolled release,
exposure levels are not known, or any other circumstances where
air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING

If there is potential contact with hot/molten material, wear heat
resistant clothing and footwear.

Exposure Guidelines

Exposure Limits

PEL (OSHA) : Particulates (Not Otherwise Regulated)
15 mg/m3, 8 Hr. TWA, total dust
5 mg/m3, 8 Hr. TWA, respirable dust

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Solubility in Water : Nil
Odor : Odorless
Form : Pellets or granules (solid)
Color : Translucent white
Specific Gravity : 0.91-0.97

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.
Conditions to Avoid
Temperatures above 300 C (572 F) .

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Decomposition temperature: >300 C (>572 F)

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(STABILITY AND REACTIVITY - Continued)

Hazardous gases/vapors produced are hydrocarbons, aldehydes,
organic acids and alcohols in limited quantities.

Polymerization

Polymerization will not occur.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:

No information is available. Toxicity is expected to be low based
on insolubility in water.

DISPOSAL CONSIDERATIONS

Waste Disposal

Preferred options for disposal are (1) recycling, (2) incineration
with energy recovery, and (3) landfill. The high fuel value of
this product makes option 2 very desirable for material that
cannot be recycled. Treatment, storage, transportation, and
disposal must be in accordance with applicable federal,
state/provincial, and local regulations.

TRANSPORTATION INFORMATION

Shipping Information

DOT
Proper Shipping Name : Not regulated.

REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Inventory Status : In compliance with TSCA Inventory
requirements for commercial purposes.

State Regulations (U.S.)

STATE RIGHT-TO-KNOW LAWS

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet.

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES): None known.

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(REGULATORY INFORMATION - Continued)

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None known.
SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1 % OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS): None known.

OTHER INFORMATION

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.

End of MSDS