

SAFETY DATA SHEET
Chemical

ExxonMobil

189

PRODUCT NAME: ExxonMobil PP7032E3

SDS NUMBER:

HDHP-K-00020

REVISION: 13 January

2005

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION OF THE SUBSTANCE: ExxonMobil PP7032E3

This is a polymer substance

CHEMICAL FAMILY: Polypropylene

PRODUCT DESCRIPTION:

Clear to opaque, white to off-white solid pellets/granules
or granules

SUPPLIER:

ExxonMobil Chemical Asia Pacific (Regn. No. 52893724C)
(A division of ExxonMobil Asia Pacific Pte Ltd - Regn. No. 196800312N)
Polyolefins
1 HarbourFront Place, #06-00 HarbourFront Tower One
Singapore 098633
Telephone: 65-6885 8335
Facsimile: 65-6885 8498

EMERGENCY TELEPHONE NUMBER:

65-6885 8335 (office hours)
65-96612208 (outside office hours)

LOCAL CONTACT:

Country	Company	Emergency Response
AUSTRALIA	ExxonMobil Chemical Australia Pty. Ltd.	03 9625 1574 1800 023 005
CHINA	Exxon Chemical (Shanghai) Co., Ltd.	24 Hour Health Emergency 86-21-58661111 ext 5005 24 Hour Health Emergency 86-13816114562
INDIA	ExxonMobil Company India Pte. Ltd.	24 Hour Health Emergency 98202-87500 24 Hour Health Emergency 98202-33798
JAPAN	ExxonMobil Yugen Kaisha (Chemical Division)	24 Hour Health Emergency 090-4910-9123
KOREA	ExxonMobil Chemical Korea	24 Hour Health Emergency 82-11-232-6092
MALAYSIA	ExxonMobil Chemical Malaysia Sdn. Bhd.	24 Hour Health Emergency 60-3-2053-3555
NEW ZEALAND	ExxonMobil Chemical New Zealand Ltd.	

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	National Poison Control Center	0800 764 766
	Transportation Emergency Phone	0800 808 444
SINGAPORE	ExxonMobil Chemical Asia Pacific (Bus. Reg. No. 52893724C)	
	24 Hour Health Emergency	65 96677865
TAIWAN	ExxonMobil Chemical Taiwan	
	24 Hour Health Emergency	886-933-822545
THAILAND	ExxonMobil Chemical (Thailand) Ltd.	
	24 Hour Health Emergency	66-2-262-4282
	24 Hour Health Emergency	66-6-977-5283

2 COMPOSITION/INFORMATION ON INGREDIENTS

HEALTH HAZARDOUS COMPONENTS : NONE

3 HAZARDS IDENTIFICATION

PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSION HAZARDS

- o Low hazard. Material can form flammable mixtures or can burn only upon heating to temperatures at or above the flash point.
- o Decomposes. Flammable/toxic gases will form upon decomposition. See Section 10 "STABILITY AND REACTIVITY".
- o Toxic gases will form upon combustion. See Section 5 "FIRE-FIGHTING MEASURES".
- o Dust. Material in form of dust is subject to explosions.
- o Static Discharge. Product can accumulate static charges which can cause an incendiary electrical discharge.

4 FIRST AID MEASURES

INHALATION:

- o In case of adverse exposure to vapours and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

SKIN CONTACT:

- o First aid is normally not required.
- o For hot product; immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as

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the damaged flesh can be easily torn.

EYE CONTACT:

- o This product is an inert solid. If in the eye, remove as one would do for any foreign object by flushing with water. If irritation occurs, obtain medical attention.

INGESTION:

- o First aid is normally not required.

5 FIRE-FIGHTING MEASURES

FIRE FIGHTING PROCEDURES:

- o Use water spray to cool fire exposed surfaces and to protect personnel. Block the supply to the fire.
- o Extinguish the fire by cooling with water spray.

SPECIAL FIRE PRECAUTIONS:

- o Respiratory and eye protection required for fire fighting personnel.
- o See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

HAZARDOUS COMBUSTION PRODUCTS:

Under Oxygen lean conditions, Carbon Monoxide (CO) and irritating smoke may be produced.

6 ACCIDENTAL RELEASE MEASURES

LAND SPILL:

- o Spilled pellets present a slippage hazard on hard surfaces.
- o Sweep up spilled material and place in suitable containers for recycle or disposal.
- o Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- o See Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

WATER SPILL:

- o Stop source if possible to do so without hazard. Advise authorities of

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- possible floating substances, if material enters watercourses or sewers.
 - Confine if possible.
 - o Skim from surface.
 - o Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.
 - o See also Section 4 "FIRST AID MEASURES" and Section 10 "STABILITY AND REACTIVITY".
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7 HANDLING AND STORAGE

STORAGE TEMPERATURE (DegC) : Ambient
TRANSPORT TEMPERATURE (DegC) : Ambient
LOADING/UNLOADING TEMPERATURE (DegC) : Ambient
VISCOSITY (cSt) : Not applicable
STORAGE/TRANSPORT PRESSURE (kPa) : Atmospheric
ELECTROSTATIC ACCUMULATION HAZARD?
Yes, use proper grounding procedure

USUAL SHIPPING CONTAINERS:
Bulk, bags, drums, octatainers.

MATERIALS AND COATINGS SUITABLE:
Pellets normally stored in silos of aluminium or plastic bags. Many materials are suitable.

MATERIALS AND COATINGS UNSUITABLE:
Not Applicable

STORAGE / HANDLING, GENERAL NOTES

- o Care should be taken when storing and handling this product. Apart from the specific nature of the polymer product, conditions such as humidity, sunlight, and temperature have an influence on the way the product behaves during storage and handling. Special attention should be paid to avoid inappropriate stacking of palletized bags or other package units. Indeed, polymer products may be dimensionally unstable under certain conditions.
 - o DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.
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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES / VENTILATION

Local exhaust ventilation of process equipment may be needed to control exposures to below the recommended threshold exposure limit.

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OCCUPATIONAL EXPOSURE LIMITS

This product contains material which, when handled under certain conditions (open heating and/or mechanical shear), may release the following components(s) with a recognized or recommended OEL value :

Particulates (insoluble);

TWA: 10 mg/m³, for inhalable particulates (PNOS) containing no asbestos and <1% crystalline silica, ACGIH (2002).

Particulates (insoluble);

TWA: 3 mg/m³, for respirable particulates (PNOS) containing no asbestos and <1% crystalline silica, ACGIH (2002).

PERSONAL PROTECTION

GENERAL ADVICE

The use and choice of Personal Protection equipment is related to the hazard of the product, the workplace, and the way the product is handled. In general, we recommend as a minimum safety precaution that safety glasses with side-shields and workclothes protecting arms, legs and body be used. In addition, any person visiting an area where this product is handled or processed should at least wear safety glasses with side-shields.

SPECIAL ADVICE

Based on and limited to ExxonMobil's experience of this product as such, the following special advice is believed to provide satisfactory protection for the industrial user or handler.

RESPIRATORY PROTECTION

Where concentrations in air may exceed the limits given in this section, it is recommended to use a half face filter mask to protect from overexposure by inhalation. Suitable filter material depends on the amount and type of chemicals being handled in the workplace, but filter material of type "P" or similar may be considered for use.

HAND PROTECTION

When handling this product hot, it is recommended to wear thermal gloves.

EYE PROTECTION

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When handling this product hot, it is recommended to wear safety glasses and preferably a face shield to protect from splashes of hot material.

SKIN/BODY PROTECTION

When handling this product hot, it is recommended to protect arms and body from splashes of hot material.

9 PHYSICAL AND CHEMICAL PROPERTIES

These are indicative values only and should not be regarded as product specification.

9.1 General Information

PHYSICAL STATE: Solid
FORM/COLOUR: Clear to opaque, white to off-white solid pellets/granules
ODOR: Odorless

MELTING TEMPERATURE RANGE:
between 140 and 160 DegC
CRYSTALLIZATION TEMP RANGE: DegC Not Applicable
VAPOR PRESSURE (DegC): kPa Not Applicable
BULK DENSITY: between 0.500 and 0.600 g/cm3 Estimated
VAPOR DENSITY (101.3 kPa/air=1): Not Applicable
VISCOSITY : cSt Not Applicable
EVAPORATION RATE (n-Bu Acetate= 1): Not Applicable

9.2 Health, Safety & Environmental Information

AUTOIGNITION TEMPERATURE: > 300 DegC Estimated
EXPLOSIVE LIMITS (in air): g/m3 Not Applicable
SOLUBILITY IN WATER (DegC): Wt% Insoluble

9.3 Other Information

MOLECULAR WEIGHT:
COEFF. OF THERMAL EXPANSION (Liq.): Not Applicable
IS MATERIAL HYGROSCOPIC: No

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10 STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION? No

CONDITIONS TO AVOID POLYMERIZATION: Not Applicable

STABILITY: Stable

CONDITIONS TO AVOID INSTABILITY: Temperatures above 250 deg. C may cause resin degradation.

MATERIALS AND CONDITIONS TO AVOID (INCOMPATIBILITY):

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Dioxide (CO₂), Carbon Monoxide (CO), Flammable Hydrocarbons and Fumes

11 TOXICOLOGICAL INFORMATION

ACUTE:

INHALATION:

Negligible hazard at ambient temperature (-18 to 38 Deg C).
Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
Dust may be irritating to eyes and respiratory tract.

SKIN CONTACT:

- o Negligible hazard at ambient temperatures (-18 to +38 degrees C).
- o Exposure to hot material may cause thermal burns.

EYE CONTACT:

- o Particulates may scratch eye surfaces/cause mechanical irritation.

INGESTION:

- o Minimal toxicity.

Additional information is available on special request

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL MOBILITY

This substance is a polymer, is insoluble in water, and floats.

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ENVIRONMENTAL DEGRADABILITY

This product is expected to persist.

13 DISPOSAL CONSIDERATIONS

The following advice only applies to the product as supplied. Combination with other materials may well indicate another route of disposal. If in doubt, contact the local ExxonMobil affiliate or local Authorities.
Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor.
Care should in any case be taken to ensure compliance with national and local regulations.

Suitable routes of disposal of this product are incineration in appropriate incinerators with energy recovery, disposal in landfills or appropriate recycling methods.

14 TRANSPORT INFORMATION

LAND

This product is not regulated for road/rail transport.

SEA - IMDG (PACKAGED GOODS AND BLCs)

This product is not regulated for sea transport.

AIR (ICAO/IATA)

This product is not regulated for air transport.

15 REGULATORY INFORMATION

CLASSIFICATION AND LABELLING ACCORDING TO EC DIRECTIVES

CLASSIFICATION/SYMBOL: Not Regulated

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GOVERNING DIRECTIVE:

Dangerous Substances Directive 67/548/EC, as modified.

16 OTHER INFORMATION

Document Group Number: 4406335PAP

REVISION SUMMARY:

Since 5 July 2003, this SDS has been revised in Section(s):
1, 3, 9, 10

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