



# MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL COMPANY  
A Division of EXXON CORPORATION

PAUL

ESCORENE POLYPROPYLENE, IMPACT COPOLYMER

PAGE: 1  
DATE PREPARED: MAR 21, 1998  
MSDS NO.: 07102000

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ESCORENE POLYPROPYLENE, IMPACT COPOLYMER

**CHEMICAL NAME:**

Polypropylene

**CHEMICAL FAMILY:**

Polyolefin / Hydrocarbon

**PRODUCT DESCRIPTION:**

Clear to opaque, white (or colored) solid pellets or granules

**CONTACT ADDRESS:**

EXXON CHEMICAL COMPANY,  
P.O. BOX 3272, HOUSTON, TEXAS 77253-3272

•• EMERGENCY TELEPHONE NUMBERS: (24 Hours) ••  
•• CHEMTREC (800) 424-9300 ••  
•• EXXON CHEMICAL COMPANY (800) 726-2015 ••

NON EMERGENCY TELEPHONE NUMBERS : (8am-5pm M-F)  
FOR HEALTH AND SAFETY INFORMATION CALL : (281) 870-6884  
FOR GENERAL PRODUCT INFORMATION CALL : (281) 870-6000

## SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

This product is not hazardous as defined in 29 CFR1910.1200

## SECTION 3 HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS**

**EYE CONTACT:**

Particulates may scratch eye surfaces/cause mechanical irritation.

**SKIN CONTACT:**

Exposure to hot material may cause thermal burns.

Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F).

**INHALATION:**

Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F) vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

**INGESTION:**

Minimal toxicity.

## SECTION 4 FIRST AID MEASURES

**EYE CONTACT:**

This product is an inert solid. If in eye, remove as one would any foreign object.

**SKIN CONTACT:**

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

Continues on page 2

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PAGE: 2  
DATE PREPARED: MAR 21, 1998  
MSDS NO.: 07102000

be easily torn.

posure to vapors and/or aerosols formed at elevated  
ely remove the affected victim from exposure.  
respiration if breathing is stopped. Keep at rest.  
il attention.

not required.

## FIRE-FIGHTING MEASURES

> 600 Deg F. NOTE: Estimated

NOTE: Not applicable

URE: > 600 Deg F. NOTE: Estimated

rn at or above the flashpoint, and airborne dust may

d, flammable/toxic gases may be released.  
upon combustion.

rial can accumulate static charges which can cause  
al discharge .

1 fire exposed surfaces and to protect personnel.  
to fire.

cooling with water spray.

rotection required for fire fighting personnel.

S UNDER FIRE CONDITIONS

itions, Carbon Monoxide (CO) and irritating smoke

## ACCIDENTAL RELEASE MEASURES

al and place in suitable containers for recycle or

isposal of recovered material and ensure  
isposal regulations.

erial and place in suitable containers for recycle

isposal of recovered material and ensure conformity  
ations.

ined by the US EPA under the Clean Water Act  
nificant material" which requires any industrial

ellets to storm water to secure a storm water

the rule carry the same penalties as other Clean

Pellets found in storm water runoff are subject to

e potential for, substantial fines and penalties.

Continues on page 3

# SHEET

PAGE: 3  
DATE PREPARED: MAR 21, 1998  
MSDS NO.: 07102000

ADING TEMPERATURE, °F:

ADING VISCOSITY, cSt:  
able

r care. Store in a  
erials.  
ar sources of

e an electrical  
ounding procedures.

## AL PROTECTION

eeded to control  
e limit. See

C/ 0 to 100 deg F)

i resistant gloves,

## WING PERMISSIBLE

ised on the OSHA

above reflect the

ory activity.

e 11th Circuit Court

posure levels be

T VALUES:

) and a TWA of

articulates

## OPERTIES

, mmHg at °F:

LIQUID, cSt at °F:

NG POINT, °F:

°F:



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PAGE: 3  
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## SECTION 7 STORAGE AND HANDLING

### ELECTROSTATIC ACCUMULATION HAZARD:

res. use proper bonding and/or grounding procedure.

STORAGE TEMPERATURE, °F:

Ambient

LOADING/UNLOADING TEMPERATURE, °F:

Ambient

STORAGE/TRANSPORT PRESSURE, mmHg:

Atmospheric pressure

LOADING/UNLOADING VISCOSITY, cSt:

Not applicable

### STORAGE AND HANDLING:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE CONTROLS

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

### PERSONAL PROTECTION

For open systems at ambient temperature (-18 to 38 deg C/ 0 to 100 deg F) where contact is likely, wear safety glasses. Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

### WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:

5 mg/m<sup>3</sup> (respirable dust), and 15 mg/m<sup>3</sup> (total dust) based on the OSHA PEL for nuisance dust.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, Exxon Chemical recommends that the lower exposure levels be observed as reasonable worker protection.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

A TWA of 10 mg/m<sup>3</sup> for inhalable particulate (total dust) and a TWA of 3 mg/m<sup>3</sup> for respirable particulate (total dust) for Particulates Not Otherwise Classified (PNOC).

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY, at °F:

0.88 Varies by grade  
0.99

VAPOR PRESSURE, mmHg at °F:

Negligible

SOLUBILITY IN WATER, wt. % at °F:

Insoluble

VISCOSITY OF LIQUID, cSt at °F:

Not applicable

SP. GRAV. OF VAPOR, at 1 atm (Air=1):

Not available

FREEZING/MELTING POINT, °F:

>225 deg. F

EVAPORATION RATE, n-Bu Acetate=1:

Not applicable

BOILING POINT, °F:

Not applicable

Continues on page 4



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## SECTION 10 STABILITY AND REACTIVITY

### STABILITY:

Stable

### CONDITIONS TO AVOID INSTABILITY:

Temperatures over 480 F (250 C) may cause resin degradation

### HAZARDOUS POLYMERIZATION:

Will not occur

### CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:

Not applicable

### MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Fluorine

Strong oxidizing agents

### HAZARDOUS DECOMPOSITION PRODUCTS:

Flammable Hydrocarbons

## SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

## SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

## SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

## SECTION 14 TRANSPORT INFORMATION

### DEPARTMENT OF TRANSPORTATION (DOT):

This product is not DOT regulated.

## SECTION 15 REGULATORY INFORMATION

### TSCA:

This product is listed on the TSCA Inventory.

### CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

### SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:  
Not Hazardous.

This product does not contain Section 313 Reportable Ingredients.

Continues on page 5



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PAGE: 5  
DATE PREPARED: MAR 21, 1998  
MSDS NO.: 07102000

## SECTION 16 OTHER INFORMATION

### HAZARD RATING SYSTEMS:

This information is for people trained in:  
National Paint & Coatings Association's (NPCA)  
Hazardous Materials Identification System (HMIS)  
National Fire Protection Association (NFPA 704)  
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0

KEY  
4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

### REVISION SUMMARY:

Since January 13, 1998 this MSDS has been revised in Section(s):

7

### REFERENCE NUMBER:

HOHA-K-10001

### SUPERSEDES ISSUE DATE:

January 13, 1998

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LAST PAGE