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MATERIAL SAPETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

24-HOUR EMERGENCY PHONE NUMBER: 517-636-4400

Product: POLYETHYLENE 6401

Product Code: 18630

Effective Date: 06/19/98

Date Printed: 11/17/98

MSD: 003443

The Dow Chemical Company, Midland, MI 48674

Customer Information Center: 800-258-2436

2. COMPOSITION/INFORMATION ON INGREDIENTS

Polyethylene homopolymer

CAS# 009002-88-4 100%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

********** ***** * Color: White. Appearance: Pellets or granules. Odor: None. Toxic fumes are released in fire situations.

POTENTIAL MEALTH EFFECTS (See Section 11 for textcological data.)

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

SKIN: Essentially nonirritating to skin. Mechanical injury only. A single prolonged skin exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is believed to be very low. No hazards anticipated from ingestion incidental to industrial exposure.

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

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: No relevant information found.

4. FIRST AID

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EYE: Flush eyes with plenty of water: mechanical irritation only.

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MATERIAL SAFETY DATA SHEET

Page: 2

Product: FOLYETHYLENE 6401 Product Ccde: 18630

Effective Date: 06/19/98

Date Printed: 11/17/98

MSD: 000443 ______

4. FIRST AID (CONTINUED)

SKIN: Wash off in flowing water or shower.

INGESTION: No adverse effects antimpated by this route of exposure incidental to proper industrial handling.

INHALATION: Ramove to fresh air if effects occur. Consult a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

PLASE POINT: Not applicable METHOD USED: Not applicable

FLAYMABILITY LIMITS LFL: Not applicable UFL: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds.

OTHER FLAMMABILITY INFORMATION: Dense smoke is emitted when burned without sufficient oxygen. Mechanical handling can cause formation of dusts. To reduce the potential for dust explosion. do not permit dust to accumulate.

EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical extinguishers may be used for small. dioxide or dry chemical extinguishers may be used for small fires. Soak thoroughly with water to cool and prevent reignitiom.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire

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MATERIAL SAFETY DATA SHEET

Page: 3

Product: POLYETHYLENS \$401 Product Code: 18630

Effective Date: 06/19/98

Date Printed: 11/17/98

MSD: 000443

5. FIRE FIGHTING MEASURES (CONTINUED)

fighting clothing (includes fire fighting helect coat, pants, coots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

 ACCIDENTAL RELEASE MEASURES (See Section 15 for Regulatory Information)

CLEAMUP: Sweep up.

7. HANDLING AND STORAGE

HANDLING: Good housekeeping and controlling of dusts are necessary for safe handling of product. Electrically ground all equipment.

STORAGE: Do not expose pellets or finished article to ultraviolet light.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT

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EYE/FACE PROTECTION: Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed; however, if handling at slevated temperatures without sufficient ventilation, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator.

EXPOSURE GUIDELINE(S): None established.

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Page: 4

Product: POLYETHYLENE 6401 Product Code: 18630

Effective Date: 06/19/99

Date Printed: 11/17/98

MSD: 000443

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Translucent white, solid pellets or granules.

ODOR: No odor.

VAPOR PRESSURE: Not applicable.

VAFOR DENSITY: Not applicable.

BOILING POINT: Not applicable.

SOLUBILITY IN WATER/MISCIBILITY: Nil

SPECIFIC GRAVITY OR DENSITY: C.91 - 0.97

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Product can decompose at elevated temperatures.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Processing may release fumes which may include polymer fragments and other decomposition products. Fumes can be irritating. At temperatures exceeding melt temperatures, polymer fragments can occur. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include trace amounts of aldehydes, alcohols, hydrocarbons, organic acids.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION (See Section 1 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

INGESTION: Single dose oral LD50 has not been determined.

12. ECOLOGICAL INFORMATION (For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

ENVIRONMENTAL FATE

MOVEMENT & PARTITIONING: No bioconcentration is expected

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MATERIAL SAFETY DATA SHEET

Page: 5

Product: POLYETHYLENE 6401 Product Code: 18630

Effective Date: 06/19/98

Date Printed: 11/17/98

MSD: 000443

12. ECOLOGICAL INFORMATION (For detailed Ecological data, write or call

because of high molecular weight (MW > 1000). In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material is expected to float.

DEGRADATION & PERSISTENCE: This water insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

ECOTOXICITY: Not expected to be acutely toxic.

13. DISPOSAL CONSIDERATIONS (See Section 15 for Regulatory Information)

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. THE DOW CHEMICAL COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device, and landfill

For additional information, refer to Stability & Reactivity Information, MSDS Section 10.

As a service to its customers, Dow can provide lists of companies which recycle, reprocess or manage chemicals or plastics, and companies that manage used drums. Telephone Dow's Customer Information Center at 800-258-2436 or 517-832-1556 for further details.

14. TRANSPORT INFORMATION

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MATERIAL SAFETY DATA SHEET

Page: 6

Product: POLYETHYLENE 5401 Product Code: 18630

Effective Date: 06/19/98

Date Printed: 11/17/98

MSD: 000443

14. TRANSPORT INFORMATION (CONTINUED)

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CANADIAN TDG INFORMATION: This product is not regulated by TDG when shipped domestically by land.

15. REGULATORY INFORMATION (Not meant to be all-inclusive--selected regulations represented)

MOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS

SARA 313 IMPORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

TOXIC SUBSTANCES CONTROL ACT (TSCA):

(Continued on Page 7) * or (R) Indicates a Trademark of The Dow Chemical Company

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MATERIAL SAFETY DATA SHEET

Page: 7

Product: POLYETHYLENE 6401 Product Code: 18630

Effective Date: 06/19/98

Date Printed: 11/17/98

MSD: 000443

REGULATORY INFORMATION: (CONTINUED)

All ingredients are on the ISCA inventory or are not required to be listed on the ISCA inventory.

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of

New Jersey Pennsylvania

OSHA HAZARD COMMUNICATION STANDARD:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CANADIAN REGULATIONS

WEMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This product is not a "Controlled Product" under WHMIS.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health
Flammability
Reactivity

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MSDS STATUS: Revised Section 5, 7 and 10.

* or (R) Indicates a Trademark of The Dow Chemical Company The Information Herein Is Given In Good Faith, But No Warranty.

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General Polymers

Materials Data Sheet

Grade:
Generic:
##

Dow LDPE 640I

Polyethylene, Low Density

Dow Plastics Manufacturer:

manufacturer: DOW PRESU					
Property	Data	Units			
General					
Processing Methods	Film, Blown Extrusion				
Recycled	No				
Physical					
Density/Specific Gravity	0.9290				
Meit Flow	2 01 @ E - 190 C/2.16 kg	ថ្ម, 10 ភាព	·		
Mechanicai					
Elongation @ Break	602.0	%			
Tensile Strength @ Break	1610	psi			
Tensile Strength @ Yield	1610	psi			
Optical					
Gloss (45 Deg)	63.20	%	· · · · · · · · · · · · · · · · · · ·		
Haze	7.52	%			
films					
Dart Drop Impact	95.70	g/mil			
Elmendorf Tear Str MD	403.00	g/mil			
Elmendorf Tear Str TO	277.00	g/mil			
Elongation @ Break MD	398.00	%			
Elongation @ Break TD	534.00	%	* .4		
Film Thickness	1.51	mil			
Tensile Strength @ Brk MD	4330.00	- psi			
Tensile Strength @ Brk TD	2620,00	osi			
Tensile Strength @Yld MD	1660.00	psi			
Tensile Strength @Yid TD	1510.00	psi			
pplications		*			
Features	Clarity, High				
Uses	Film Packaging				

General Polymers Division of Ashland Chemical Ca. © 1997-1996 Ashland Inc.
The information provided above is based on typical values. Typical values should not be construed as a guaranteed analysis of any specific lot or as epecification items. The proporties of any single lot or shipment of product may very from the above typical analysis. Ashland makes no warranty or representation as to the suitability of the product for any particular acceleration. The determination of the suitability of the user.

Safetec of America, Inc. 1055 East Delavan Avenue Buffalo, NY 14215 (716) 895-1822

Emergency Phone (24 hours)

(800) 255-3924

Effective: December 3, 1998

Revision: 6

Material Safety Data Sheet

$RED Z^{\mathsf{TM}}$

I. <u>HAZARDOUS INGREDIENTS</u>

		Percent (Wt.)	Exposure limits (ppm) OSHA PEL / STEL ACGIH / TLV - TWA		*Other Limits Recommended	CAS#
•	Sodium dichloro-s-triazinetrione (Sodium dichloroisocyanurate)	< 1	None Established	None Established		2893-78-9
•	Superabsorbent polymer	≥ 99	***	****	0.05 mg/m^3	
	# _					

^{*} Recommended Industrial Hygiene Guideline for respirable dust of particle size < 10μm.</p>

II. PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance: granular solid
Odor: slight chlorine
Color: off white
Melting point (°C): > 250 (partial to full decomposition)
Solubility in water @ 25°C: < 3 %
pH: N/A
Bulk density (lb./cu. ft.): 43.7 - 51.8

III. FIRE & EXPLOSION DATA

Flash point (TOC/TCC): N/A
 Flammable Limits: UEL - N/A LEL - N/A
 Auto-ignition temperature: N/A

Unusual fire and explosion hazards: Spilled material swells and becomes extremely slippery when wet. Use

standard safety precautions for finely divided powders.

Special fire fighting procedures: Firefighters should wear full protective clothing and self-contained breathing

apparatus (SCBA).

Extinguishing media: Use water. Do not use ABC or other dry chemical extinguishers since

there is the potential for a hazardous reaction.

IV. REACTIVITY

Stability: Stable.

Conditions to avoid: This material contains a strong oxidizing agent. Avoid contact with

Incompatibility: strong reducing compounds. Inorganic reducing compounds.

Incompatibility: Inorganic reducing compounds, alkalis.
 Hazardous decomposition products: Chlorine-containing gases may be produced.

Hazardous decomposition produces: Chlorine-containing gases may be produced Will not occur.

V. <u>HEALTH HAZARDS</u>

HMIS Rating: Health 2 Flammability 0 Reactivity 1

RED Z

Effective: December 3, 1998

Revision: 6

Routes of Entry:

Eyes: no

Skin: yes

Ingestion: no

Inhalation: yes

Symptoms of Exposure:

May cause moderate eye irritation. May cause moderate skin irritation if not promptly removed. Ingested material may cause burning of mouth, throat and esophagus, abdominal

distress and moderate irritation. Breathing of dust or fumes may cause throat and

respiratory tract irritation.

· Conditions Generally

Aggravated:

none known

• Emergency First Aid Procedures: (as described below)

Eves:

Thoroughly flush eyes with large amounts of water for at least 15 minutes, immediately after contact.

Consult medical personnel.

Skin:

Immediately brush off any excess material and flush with large amounts of water. If irritation persists,

consult medical personnel.

Ingested:

Drink large amounts of water. Do not induce vomiting. Get medical attention immediately.

Inhaled:

Remove to fresh air; get medical attention if required.

VI. HANDLING & STORAGE

Keep container(s) tightly sealed when not in use. Store in a cool, dry area; avoid exposure to sunlight and high humidity. Special precautions required; do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. In cases of accidental spills, provide adequate ventilation; avoid generating dust. Clean as soon as possible. Avoid using any floor sweeping compounds as furning, fire and/or explosion may result. Using clean, dedicated equipment, sweep and scoop all spilled material and place into a clean, dry container for disposal. Do not close disposal containers containing wet or damp material. They should be left open to disperse any chloride gas that may form.

V11. SPECIAL PROTECTION & CONTROL

Respiratory Protection:

Use NIOSH/MSHA approved or equivalent. Ventilated respirator with P3 filter cartridge recommended if respirable dust (particle size <10μm)

exceeds 0.05 mg/m³.

Ventilation:

Adequate.

Eye Protection:

Safety goggles.

• Gloves:

Chemical resistant.

VIII. OTHER INFORMATION

D.O.T. Shipping Information:

Non-Hazardous. This compound is not regulated by the Department of

Transportation.

Storage/Transport Temperature:

Ambient

• Storage/Transport Pressure:

Atmospheric

The information herein has been obtained from various sources. It is presented in good faith and believed to be reliable as of the effective date shown above. However, no warranties, expressed or implied for the accuracy or the completeness of the data is given.

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

24-HOUR EMERGENCY PHONE NUMBER: 517-636-4400

Product: POLYETHYLENE 25455N HIGH DENSITY

Product Code: 47122

Effective Date: 07/23/98 Date Printed: 12/14/98

MSD: 002101

The now Chemical Company, Milland, NT 1357:

Customer Information Center: 800-258-2436

2. COMPOSITION/INFORMATION ON INGREDIENTS

Copolymer of ethylene and Octene-1

CAS# 026221-73-8 100%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

* Color: White. Appearance: Granules, pellets, or powder. Odor: * None. Toxic fumes released in fire situations. *

POTENTIAL HEALTH EFFECTS (See Section 11 for toxicological data.)

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

SKIN: Essentially nonirritating to skin. Mechanical injury only. A single prolonged skin exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is believed to be very low.
No hazards anticipated from ingestion incidental to industrial
exposure.

INHALATION: Dust may cause irritation to upper respiratory tract.

SYSTEMIC (OTHER TREGET ORGAN) EFFECTS: No relevant information found.

4. FIRST AID

EYE: Flush eyes with plenty of water; mechanical irritation

(Continued on Page 2)
* or (R) Indicates a Trademark of The Dow Chemical Company

Page: 2

Product: POLYETHYLENE 25455N HIGH DENSITY

Product Code:

47122

Effective Date: 07/23/98

Date Printed: 12/14/98

MSD: 002101

4. FIRST AID (CONTINUED)

only.

cally: Wash off in Eleving value of shores.

INGESTION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

S. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: Not applicable
METHOD USED: Not applicable

FLAMMABILITY LIMITS
LFL: Not applicable
UFL: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to carbon monoxide and carbon dioxide.

OTHER FLAMMABILITY INFORMATION: Dense smoke is emitted when burned without sufficient oxygen. Mechanical handling can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate.

EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical.

FIRE FIGHTING INSTRUCTIONS: Keep people away. Isolate fire area and deny unnecessary entry. Cool surroundings with water to localize fire zone. Hand held carbon dioxide or dry chemical extinguishers may be used for small fires. Soak thoroughly with water to cool and prevent reignition.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire

(Continued on Page 3)
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Product: POLYETHYLENE 25455N HIGH DENSITY Product Code:

47122

Date Printed: 12/14/98 Effective Date: 07/23/98

MSD: 002101

Page: 3

5. FIRE PIGHTING MEASURES (CONTINUED)

fighting clothing (includes fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not ward dight fare from a prosected location or safe like tance.

6. ACCIDENTAL RELEASE MEASURES (See Section 15 for Regulatory Information)

CLEANUF: Sweep up.

7. HANDLING AND STORAGE

HANDLING: Good housekeeping and controlling of dusts are necessary for safe handling of product. Bleetrically ground all equipment.

STORAGE: The polymer pellets and finished article should be stored in a manner that they are not exposed to ultra-violet

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

PERSONAL PROTECTIVE EQUIPMENT

BYE/FACE PROTECTION: Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed.

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator. In dusty atmospheres, use an approved dust respirator.

EXPOSURE GUIDELINE(S): None established.

(Continued on Page 4) * or (R) Indicates a Trademark of The Dow Chemical Company

Page: 4

Product: POLYETHYLENE 25455N HIGH DENSITY

47122

Product Code:

Effective Date: 07/23/98

Date Printed: 12/14/98

MSD: 002101

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Translucent white, solid pellets, granules, or powder.

VAPOR PRESSURA: Not applicable
VAPOR DENSITY: Not applicable
BOILING POINT: Not applicable
SOLUBILITY IN WATER/MISCIBILITY: Nil
SPECIFIC GRAVITY OR DENSITY: 0.84 - 0.97

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Product can decompose at elevated tempatures.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Processing may release fumes which may include polymer fragments and other decomposition products. Pumes can be irritating. At temperatures exceeding melt temperatures, polymer fragments can occur. Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Hazardous decomposition products may include trace amounts of aldehydes, alcohols, hydrocarbons, organic acids.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION (See Section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1)

INGESTION: Single dose oral LD50 has not been determined.

12. ECOLOGICAL INFORMATION (For detailed Ecological data, write or call the address or non-emergency number shown in Section 1)

ENVIRONMENTAL FATE

MOVEMENT & PARTITIONING: No bioconcentration is expected

(Continued on Page 5)
* or (R) Indicates a Trademark of The Dow Chemical Company

Page: 5

Product: POLYETHYLENE 25455N HIGH DENSITY 47122

Product Code:

12:25P4;

12/14/98;

Effective Date: 07/23/98

Date Printed: 12/14/98

12. ECOLOGICAL INFORMATION (For detailed Ecological data, write or call

> because of high molecular weight (MW > 1000). In the terrestrial environment, material is expected to remain in the - In the equalit surfunctions material is expected to

DEGRADATION & PERSISTENCE: This water insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected with exposure to sunlight. No appreciable biodegradation is expected.

ECOTOXICITY: Not expected to be acutely toxic.

13. DISPOSAL CONSIDERATIONS (See Section 15 for Regulatory Information)

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsi-bility solely of the waste generator. THE DOW CHEMICAL COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE Information presented here pertains only to the product as shipped in its intended condition as described in MSDS section 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device, and landfill.

For additional information, refer to Stability & Reactivity Information, MSDS Section 10.

As a service to its customers, Dow can provide lists of companies which recycle, reprocess or manage chemicals or plastics, and companies that manage used drums. Telephone Dow's Customer Information Center at 800-258-2436 or 517-832-1556 for further details.

14. TRANSPORT INFORMATION

(Continued on Page 6) * or (R) Indicates a Trademark of The Dow Chemical Company

SAFETY DATA SHEET MATERIAL

Page: 6

Product: POLYETHYLENE 25455N HIGH DENSITY 47122

Product Code:

Effective Date: 07/23/98 Date Printed: 12/14/98 MSD: 002101

14. TRANSPORT INFORMATION (CONTINUED)

DEPARTMENT OF TRANSPORTATION (D.O.T.): This product is not regulated by D.O.T. when shipped domestically by land.

CHARGENI TEG INFORMATION: This product is not regulated by the when shipped domestically by land.

15. REGULATORY INFORMATION (Not meant to be all-inclusive--selected regulations represented)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. REGULATIONS **=========

SARA 313 IMFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category

TOXIC SUBSTANCES CONTROL ACT (TSCA):

(Continued on Page 7) * or (R) Indicates a Trademark of The Dow Chemical Company

Page: 7

Product: POLYETHYLENE 25455N HIGH DENSITY

Product Code:

47122

Effective Date: 07/23/98

Date Printed: 12/14/98

MSD: 002101

REGULATORY INFORMATION: (CONTINUED)

All ingredients are on the TSCA inventory or are not required to be little on the TSCA inventory.

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of

New Jersey Pennsylvania

OSHA HAZARD COMMUNICATION STANDARD:

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CANADIAN REGULATIONS

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:

This product is not a "Controlled Product" under WHMIS.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health

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Flammability Reactivity

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MSDS STATUS: Revised Section 10.

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