

Emballage produceret for:

PaperLinx A/S Bastrupgårdsvej 8 7500 Holstrbro

Karlslunde d. 20-06-2014

# **OVERENSSTEMMELSESERKLÆRING**

# Identifikation af produktet

Produktnummer	Varenr. 180-002550 Format 235X330/50+40X0,037MM
Produktnavn	Low Density Polyethylen
Anvendt råvare	INEOS® LDPE 24F564
Anvendelse	Fede, tørrede, ferske fødevarer samt fødevare i lage (alkohol, vand og eddike)
Fødevaretype	Alle typer
Kontakttid	10 dage
Kontakttemperatur	Max. 40° i 10 dage – eller max. 70° i 2 timer – eller stuetemperatur i hele produktets holdbarhedstid Kan også anvendes til frost ned til -35°, såfremt folien kvaliteten er min. 40 My.
Holdbarhed	Produktet har en holdbarhed på 3 år fra produktionsdato, så længe produktet opbevares i sin originalemballage og opbevares tørt og i temperatur fra 1° - 28°

# Identifikation af producenten

Firmanavn	Norlip A/S
Adresse	Svejsegangen 12
	DK 2690 Karlslunde
Kontaktperson	Jesper Philipsen
e-mail adresse	jp@norlip.com
Website	www.norlip.dk - på website findes link til FVST's besøgsrapporter

## **Positivliste**

olymeren består udelukkende af monomerer og indgangsstoffer, der forekommer på positivlisten Annex I) i EU-forordning 10/2011/EC og efterfølgende ændringer			
Underskrift: 20/06/2014	for Ri		

# **SMG (Specifikke Migrations Grænser)**

	Alle indgangsstoffer er kontrolleret i Annex I i forordning 10/2011/EC og efterfølgende ændringer, og følgende stoffer har SMG-værdier- ingen oplyst					
I tilfælde af tilsætning af masterbatch (farver, slip, antiblok, ESD etc.) og en kendt SML (SMG) værdi beregnes den totale mængde i det færdige produkt forholdsmæssigt.						
Tilsætnings Code  Tilsætnings mængde i produktet  Tilsætnings mengde i produktet  CAS nr. REF. no.  SMG Waksimal total SMG for tilsætning produktet						SMG for

#### **Dual use additiver**

Forekommer der dual use additiver i produktet?					
Ja:	✓				
Nej:					
Hvis ja – hvilke dual use additiver	Hvis ja – hvilke dual use additiver er tilsat produktet?				
Kemisk navn Cas. Nr. Mængde i produktet (%)					
Alpha-tocopherol 1,2 %					
Talcum		0,45 ‰			

#### **Funktionel barriere**

Indeholder produktet en funktionel barriere? Hvis ja, ønskes dokumentation for, at den er i overensstemmelse med EU-forordning 10/2011/EC			
Nej			
Ja			
Den funktionelle barriere e	r i overensstemmelse med EU-forordning 10/2011/EC		
Underskrift: 20/06/2014			

# **Global migrationstest**

I overensstemmelse med den fremtidige brug af produktet, skal der udføres globale migrationstest i henhold til direktiv 82/711/EC og 85/572/EC. En kopi af migrationstesten er medsendt. Denne "gamle" testmetode gøres stadig gældende frem til udgangen af 2014, hvorefter nye migrationstest foretages efter de nye metoder.

## **Specifik migrationstest**

Hvis der er angivet SMG-værdier ovenfor skal produktet testes for specifik migration i henhold til EU-direktiv 82/711/EC og 85/572/EC. Der er ikke foretaget specifik migrationstest da INEOS 24F564 kun indeholder stoffer der er omfattet af positivlisten Annex I i forordning 10/2011/EC, og er fremstillet af stoffer, der ikke er pålagt restriktioner mht. specifik migration. Dette ses på vedhæftede dokument fra INEOS - **Regulatory Compliance Certificate** for råvare 24F564.

## **Overensstemmelse**

Produktet er fremstillet i henhold til retningslinierne i EU-forordning 2023/2006 og forårsager ingen fare for menneskers sundhed eller miljøet i henhold til artikel 3 i rammedirektiv 1935/2004/EC. Produktet er i overensstemmelse med den gældende EU-lovgivning (EU-forordning 10/2011/EC og efterfølgende ændringer). Vi forpligter os hermed til at informere om ændringer i produktet.

20-06-2014	Dato
Jesper Philipsen Plasticembellage	Navn
Svejsegangen 12 2690 Karlslunde Til. 46 15 14 00	Underskrift
Svejsegangen 12	

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# **Declaration of Compliance**

# Low Density Polyethylene grade

24F564

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### Food-contact EU

This grade complies with the relevant requirements of:

- Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food, 321/2011 (1/4/2011), 1282/2011 (28/11/2011), 1183/2012 (30/11/2012)
- Commission Regulation (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food (GMP) as amended

Migration tests carried on this type of polymer, under the conditions 10 days at 40°C, in the food simulants A, B and D2 show that the Overall Migration Limit of 10 mg/dm² food is not exceeded.

No monomers subject to restriction (Specific Migration Limit or Quantitative Maximum) are used.

No additives subject to restriction (Specific Migration Limit or Quantitative Maximum) are used.

Alpha-tocopherol and talc are approved as direct food additives. They are present, as additives, in the above grade.

Whereas Ineos Olefins & Polymers Europe supplies to its customers the adequate information to allow them to fulfil their own responsibilities, the converters do have to check and confirm that the final article meets both the technical and regulatory requirements of the application.

#### Food contact US

This product is in compliance with Title 21 Code of Federal Regulations (CFR, 2013 Edition) Olefin polymers parts 177.1520, a(2) (c) Specifications 2.1. Type of food I to IX described in Table 1 of § 176.170(c) of this chapter under conditions of use C to H described in Table 2 of § 176.170(c) of this chapter promulgated under the Federal Food, Drug and Cosmetic Act.

## Toys

The above grade meets the relevant requirements of Directive 2009/48/EC and referred Community legal acts, and of the European Standard EN-71 Part 3 (Edition:1995) and Part 9 +A1 (Edition:2007).

#### **Phthalates**

Phthalates are not used as additives or raw materials in the manufacture of the above grade.

# Bovine Spongiform Encephalopathy (BSE) Transmissible Spongiform Encephalopathy (TSE)

No products of animal origin are used as additives or raw materials in the manufacture of the above grade.

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# Genetically Modified Organisms (GMO)

Among the large variety of polymer additives that we are using, only a few of them may be genetically modified. We would like to comment on the relevance of gene modification techniques to plastic materials. The most significant fact is that the starting substances or additives possibly deriving from genetically modified organisms based materials are manufactured through multi-step conversion and/or purification processes, involving aggressive conditions like high temperature and pressure as well as action of chemically reactive substances. The final plastic materials themselves are produced under high temperature conditions and are further submitted during conversion processes (extrusion, moulding) to high temperature for a significant period of time.

On the basis of current scientific knowledge, it can be stated that no DNA and no proteins from a given organism (genetically modified or not) can resist to such a series of treatments. Therefore, their presence in our polymers and in plastic articles manufactured from them is unexpected.

In conclusion, we confirm that the above grade is safe to be manufactured, processed and used, even if it is manufactured from starting substances or contain additives which may be of genetically modified organism's origin.

# RoHS, WEEE, Packaging Waste, EoL Vehicule, CONEG

This grade meets the relevant requirements of the following Directives or Regulations:

- 2003/11/EC as amended
- 2011/65/EU (RoHS) as amended
- 2002/96/EC (WEEE) as amended
- 2000/53/EC (EoL) as amended
- Regulation (EC) 1907/2006, annex XVII, as amended in Regulation (EC) 1272/2008 (CLP), repealing 76/769/EEC, as amended
- 94/62/EC (Packaging Waste Directive) as amended
- USA CONEG Regulation
- France: Décret n°2007-1467 du 12 octobre 2007 and Code de l'environnement, section 5-Emballages, sub-section 1, Articles R 543-42 to R 543-52

# Swiss VOC legislation

This product is in compliance with "Ordonnance sur la taxe d'incitation sur les composés organiques volatils (OCOV) du 12 novembre 1997" as amended, about Volatile Organic Content (VOC).

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# Ozone layer-depleting agents

Chlorofluorocarbons (CFC's) and substances related to ozone depleting substances (as defined by the MONTREAL PROTOCOL and listed as class I & II substances by the US Clean Air Act) are not used as additives or raw materials in the manufacture of this grade.

None of the prohibited substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer (as amended), which repeals and replaces Regulation (EC) 2037/2000, is used as an additive or raw material in the manufacture of the above grade.

# Nanomaterials and nanotechnology

Further to the publication of the EU Recommendation 2011/696/EU on the definition of nanomaterials, some substances used for decades as additives in the plastics industry suddenly became nanomaterials. The list includes among others, silica, carbon black and many organic pigments.

When these substances are used as additives in polyethylene or polypropylene, they end up encapsulated into a polymeric matrix and are not intended to be released under normal and foreseeable conditions. Based on these arguments, the PP or PE products containing such additive(s) are exempt of notification under the French Decree 2012-232 (cfr Q&A n° 20bis on the website of the Ministère de l'Ecologie, du Développement Durable et de l'Energie).

## REACH / SVHC

All Polyolefins materials are compliant with REACH Regulation No. 1907/2006. For further details <a href="http://www.ineos.com/businesses/INEOS-Olefins-Polymers-Europe/SHE/">http://www.ineos.com/businesses/INEOS-Olefins-Polymers-Europe/SHE/</a> (under "REACH").

## Absence of substances and chemicals

None of the following substances are used as additives or raw materials in the manufacture of this grade: However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in this grade.

- Acrylamide
- Allergens (as defined in Regulation (EU) No 1169/2011, as amended)
- Aromatic amines
- Asbestos
- · Azodicarbonamide or semi-carbazide compounds
- Benzophenone, hydroxybenzophenone and 4-methyl benzophenone
- Biocides
- · Bisphenol-A (BPA) and Bisphenol-F (BPF)
- · Brominated flame retardants
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC)
- · Chlorinated Paraffins
- Conflict minerals:
  - o Columbite-tantalite (Coltan, Niobium, Tantalum)
  - o Cassiterite (Tin)

# Olefins & Polymers Europe

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- Wolframite (Tungston)
- Gold
- Decabromodiphenylether (decaBDE)
- 2-Ethylhexanoic Acid (2-EHA)
- Di(ethylhexyl) adipate (DEHA) and di(ethylhexyl) maleate (DEHM)
- Dimethyl Fumarate (DMF)
- · Dioxins and furans
- Endocrine Disruptors listed in the Japanese authority list "Strategic Programs on Environmental Endocrine Disruptors '98 (SPEED '98) Table-3: Chemicals Suspected of Having Endocrine Disrupting Effects"
- Epoxy derivatives:
  - BADGE [2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether],
  - BFDGE [bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ether],
  - NOGE [novolac glycidyl ether]

as defined in Directive 2002/16/EC amended by 2004/13/EC, repealed by the Regulation 1895/2005/EC

- Epoxidised Soya Bean Oil (ESBO)
- · Formaldehyde (formol)
- Isopropyltinoxanthone (ITX)
- Latexes
- · Melamine and cyanuric acid
- Mercapto mix
- N-ethyl-o,p-toluolsulfonamide (NETSA) (CAS nb 1077-66-1)
- N-ethyl-p-toluenesulphonamide (NE-PTSA) (CAS nb 80-39-7)
- Nonylphenol and its derivatives
- · Organo-tin compounds
- Pentabromodiphenyl ether, octabromodiphenyl ether
- Perfluorinated tenside (PFT), Perfluorooctanoic acid (PFOA) & Perfluorooctane sulfonate (PFOS) listed in Directive 2006/122/EC
- Poly(aromatic hydrocarbons) according to US Environmental Protection Agency Method 610 (EPA 610)
- Polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), polybrominated terphenyls (PBTs)
- Polychlorinated biphenyls (PCBs), polychlorinated terphenyls (PCTs), polychlorinated naphthalenes (PCNs)
- Polycyclic Aromatic Hydrocarbons (PAH)
- Recycled products as defined by Regulation (EC) 282/2008
- · Short-chain chlorinated paraffins
- Silicone
- Tert-butyl-4-hydroxyanisole (BHA) and 2,6-di-tert-butyl-p-cresol (BHT)
- Thiuram mix
- Titanium Acetyl Acetone (TAA)
- Triclosan (2,4,4'-trichloro-2'-hydroxydiphenyl ether) (CAS nb 3380-34-5)
- Vinyl chloride monomer (VCM) and its polymers or copolymers (PVC, PVDC, ...)
- · Substances listed in:
  - California Proposition 65 State regulation as amended
  - o GADSL, "Global Automotive Declarable Substance List", as amended
  - ∘ IKEA Specification, IOS-MAT-0010, chapter 3 & 6, as amended
  - o IKEA Specification, IOS-MAT-0054, as amended



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This certificate will be updated when appropriate. Therefore, it is recommended to visit our website at least once a year.

It is the responsibility of the customer to check the suitability of the finished article for the intended application and its compliance with the relevant legislation and applicable requirements including their restrictions.

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Norlip

Att.: Jesper Philipsen Svejsegangen 12 2690 Karlslunde Eurofins Product Testing Smedeskovvej 38 DK-8464 Galten

Telefon 70 22 42 66 Telefax 70 22 42 55 eurofins@eurofins.dk www.eurofins.dk

Dato

3. december 2009

Deres ref.

**Analyserapport - Materialetest** 

Vores ref.

764918Rev1/JH/MPH

Sagsidentifikation	Migrationstest plastfolie, LDPE
Prøvemodtagelse	16. Maj 2008
Antal / Prøvetype	Plastfolie fremstilet af en råvare fra INEOS, varenummer 24F564:
	764918-01: LDPE
Analyseperiode	23. Maj – 1. Juni 2008

#### Anvendte metoder

Prøvemateriale

Metodenr.	Princip	Parameter	Detektionsgrænse	Analyseusikkerhed ①
EN 1186-3 EN 1186-9	Gravimetri	Global migration til 3% eddikesyre og 10 % ethanol	1 mg/dm <sup>2</sup>	15% (RSD)
EN 1186-2	Gravimetri og Gaskromatografi (GC/FID)	Global migration til oliven- olie	2 mg/dm <sup>2</sup>	15% (RSD)
72060	Gravimetrisk	Global migration til vand	1 mg/dm <sup>2</sup>	10-15%

Princip for migration: Den totale migration fra prøverne til 3% eddikesyre, 10% ethanol, olivenolie og vand bestemmes ved eksponering i 10 dage timer ved 40 °C. Testen gennemføres ved neddypning af prøveemner i fødevaresimulanten. Testen er foretaget i henhold til EN 1186-2, EN 1186-3 og EN 1186-9. Efter eksponering, hvor de opløselige komponenter migrerer fra materialet til simulanten, fjernes emnet fra simulanten.

Migration til 3% eddikesyre, 10% ethanol og vand: bestemmes ved inddampning af simulanten og inddampningsresten bestemmes ved vejning og angives som migrationen fra emnet til fødevaresimulanten.

Migration til olivenolie: Emnet der har været neddyppet i simulanten aftørres og vejes. Herefter fjernes adsorberet olie ved ekstration og bestemme den ekstraherede olie ved GC/FID analyse. Emnets vægt korrigeres for den ekstraherede olie og migrationen bestemmes som vægttab af emnet

Analysen udføres som tredobbeltbestemmelse.

① Dog mindst halvdelen af detektionsgrænsen absolut

Eurofins Product Testing A/S

John Hansen Civilingeniør, kemi Marianne Hansen Civilingeniør, kemi

# Analyseresultater

Enhed: mg/dm²	Migration til 3 % eddikesyre				
Prøve	1. bestemmelse 2. bestemmelse 3. bestemmelse Gennemsnit				
764918-01: LDPE	< 1	< 1	< 1	< 1	

<sup>&</sup>lt; betyder mindre end

Enhed: mg/dm²	Migration til 10% ethanol				
Prøve	1. bestemmelse 2. bestemmelse 3. bestemmelse Gennemsnit				
764918-01: LDPE	< 1	< 1	< 1	< 1	

<sup>&</sup>lt; betyder mindre end

Enhed: mg/dm²	Migration til olivenolie*			
Prøve	1. bestemmelse 2. bestemmelse 3. bestemmelse Gennemsnit			
764918-01: LDPE	< 2	< 2	< 2	< 2

betyder mindre end

<sup>\*</sup> Denne analyse er ikke omfattet af akrediteringen. Er dog udført under kvalitetsstyringssystemet ISO 17025 og er pr. 7. oktober 2009 også omfattet af akkrediteringen.

Enhed: mg/dm <sup>2</sup>		Migrat	ion til vand	
Prøve	1. bestemmelse	2. bestemmelse	3. bestemmelse	Gennemsnit
764918-01: LDPE	< 1	< 1	< 1	< 1

<sup>&</sup>lt; betyder mindre end

# Kommentar

I henhold til BEK nr 1102 af 09/11/2006 overholder plastfolien, LDPE, kravet om en migration på maksimalt 10 mg/dm² for 3% eddikesyre 10% ethanol, olivenolie som simulanter.

# 24F564

# **Product Technical Information**

LDPE for Blown film

**24F564** is an autoclave LDPE grade developed for lamination film and general packaging film. 24F564 gives film with good optical properties and low gel level for medium duty film.

# **Applications**

24F564 is intended for applications such as

- Lamination films/ Food packaging
- Fine shrink films
- Carrier-bag films
- Pouches

Properties	Test Method	Value	Units
Physical Melt flow rate (190°C/2.16 kg) Density Antiblock (Talc) Slip (Erucamide) Other additive: antioxidant	ISO 1133	0.75	g/10 min
	ISO 1183	924	kg/m³
	INEOS method	1200	ppm
	INEOS method	450	ppm
Film*  Tensile strength MD/TD Strain @ break MD/TD Tensile modulus MD/TD Coefficient of friction Dynamic Haze Gloss (45°) Dart drop	ISO 1184	27/24	MPa
	ISO 1184	250/550	%
	ISO 1184	200/250	MPa
	ISO 8295	0.15	-
	ASTM D 1003	7	%
	ASTM D 2457	70	%
	ASTM D 1709	120	g

<sup>-</sup> Data should not used for specification work



<sup>\*</sup> Film properties are measured on a  $40\mu m$  film sample produced on a 60mm W&H extruder with IBC cooling at BUR=2.5. MD = machine direction, TD = transverse direction

# 24F564

# Storage and Handling

24F564 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation which results in odour generation and colour changes, and can have negative effects on the physical properties of the product.

# Processing guidelines

24F564 is easily processed on conventional extruders.

Recommended melt temperature range is form 160°C to 190°C. Due to differences in screw a die head designs the optimum temperature adjustments are individual and should be sought for each production line.

With suitable equipment 24F564 can be drawn down to 20-30 micron.

#### **Regulatory Information**

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to <a href="mailto:psnohreg@innovene.com">psnohreg@innovene.com</a>. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

#### Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website <a href="https://www.ineospolyolefins.com">www.ineospolyolefins.com</a>. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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Date: 04/09/2007

## Low Density / Linear Low Density Polyethylene

SDSPE02

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Information** 

Low Density / Linear Low Density Polyethylene 24F564 Product name

Manufacturer, importer, supplier

**INEOS Polyolefins** Supplier

Carechem 24: +44 (0) 208 762 8322 Emergency telephone number

Other regulatory information psnohreg@innovene.com

#### 2. HAZARDS IDENTIFICATION

- Physico-chemical properties No hazards resulting from material as supplied. - Properties affecting health No hazards resulting from material as supplied. - Environmental properties No hazards resulting from material as supplied.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	Weight %	CAS.	EINECS.
Polyethylene	0 - 100 %	9002-88-4	-
Ethylene Butene 1 Copolymer	0 - 100 %	25087-34-7	-
Ethylene Hexene 1 Copolymer	0 - 100 %	25213-02-9	-
Ethylene Butyl Acrylate Copolymer	0 - 100 %	25750-84-9	-
Ionomer Copolymer	0 - 100 %	28516-43-0	-
Ethylene Metacrylic Acid Copolymer	0 - 100 %	25053-53-6	-
Hazardous components	None		

#### 4. FIRST AID MEASURES

- Inhalation Move to fresh air. Consult a physician if necessary

Cool skin rapidly with cold water after contact with hot polymer. - Eye contact

Rinse immediately with plenty of water, also under the eyelids, for

at least 15 minutes.

- Skin contact Cool skin rapidly with cold water after contact with hot polymer.

#### 5. FIRE-FIGHTING MEASURES

Use extinguishing measures that are appropriate to local - Suitable extinguishing media

circumstances and the surrounding environment.

High volume water jet - Extinguishing media which must not be

used for safety reasons

#### **6. ACCIDENTAL RELEASE MEASURES**

Ensure adequate ventilation, especially in confined areas. In case of - Personal precautions

insufficient ventilation wear suitable respiratory equipment.

- Environmental precautions No special environmental precautions required

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ineospofeu@innovene.com Lyndhurst

Hampshire S043 7DD Pollux6®© United Kingdom



Date: 04/09/2007 Revision Date: / /

# Low Density / Linear Low Density Polyethylene

SDSPE02

- Methods for cleaning up

Take up mechanically and collect in suitable container for disposal.

#### 7. HANDLING AND STORAGE

#### Handling

- Safe handling advice Preparation may charge electrostatically: always use earthing leads

when transferring from one container to another. Avoid dust formation. In case of insufficient ventilation, wear suitable respiratory equipment. Provide for appropriate exhaust ventilation

and dust collection at machinery.

**Storage** 

- Technical measures/Storage conditions Keep in a dry, cool and well-ventilated place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protective equipment

- Respiratory protection (P2) effective dust mask

- Hand protection
 - Eye protection
 - Skin and body protection
 Latex gloves (ketone resistant)
 Safety glasses with side-shields
 Wear suitable protective equipment

- Hygiene measures When using, do not eat, drink or smoke. Remove and wash

contaminated clothing before re-use. Ensure adequate ventilation,

especially in confined areas.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Granules
Colour Off-white
Odour None
Density < 1

Melting point/range 105 - 130 °C
Flash point > 300 °C
Autoignition temperature > 350 °C
Water solubility None
Solubility in other solvents None

Thermal sensitivity Fumes risk of decomposition

#### 10. STABILITY AND REACTIVITY

- Stability Upon prolonged heating above 300 °C hazardous decomposition

products may be released. Inhalation of vapours in high concentration may cause irritation of respiratory system.

- Materials to avoid- Hazardous decomposition productsNone

#### 11. TOXICOLOGICAL INFORMATION

INEOS Polyolefins

Clayhill House Beechen Lane

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Version nr: 1.00

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Hampshire S043 7DD

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United Kingdom



Date: 04/09/2007 Revision Date: / /

Low Density / Linear Low Density P	Polyethylene SDSPE0
Acute toxicity	<u> </u>
Eye contact	Dust causes irritation to the eyes, skin and mucous membranes and
Lye comaci	may lead to toxic lung oedemas.
Skin contact	Dust causes irritation to the eyes, skin and mucous membranes and
	may lead to toxic lung oedemas.
Inhalation	Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.
<u>Chronic toxicity</u>	
Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
12. ECOLOGICAL INFORMATION	
- Ecotoxicity effects	This product has no known eco-toxicological effects.
13. DISPOSAL CONSIDERATIONS	
- Waste from residues / unused products	Can be landfilled or incinerated, when in compliance with the
·	Environmental Protection (Duty of Care) Regulations 1991.
- Contaminated packaging	Environmental Protection (Duty of Care) Regulations 1991.  Dispose of in accordance with local regulations
·	
- Contaminated packaging	
- Contaminated packaging  14. TRANSPORT INFORMATION	
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport	Dispose of in accordance with local regulations
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Class	Dispose of in accordance with local regulations
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Air transport	Dispose of in accordance with local regulations  Not classified as dangerous in the meaning of transport regulations.  Not classified as dangerous in the meaning of transport regulations.
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Class	Dispose of in accordance with local regulations  Not classified as dangerous in the meaning of transport regulations
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Air transport	Dispose of in accordance with local regulations  Not classified as dangerous in the meaning of transport regulations.  Not classified as dangerous in the meaning of transport regulations.
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- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Air transport Class Air transport Class 15. REGULATORY INFORMATION	Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Air transport Class Air transport Class Symbol(s):	Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  not regulated
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Air transport Class Air transport Class Phrase(s)	Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  not regulated  not regulated
- Contaminated packaging  14. TRANSPORT INFORMATION  Land transport Class Sea transport Class Air transport Class Air transport Class  15. REGULATORY INFORMATION  Symbol(s): R-phrase(s) S-phrase(s)	Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  Not classified as dangerous in the meaning of transport regulations  not regulated  not regulated

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# This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying

all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.

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