Annex II



ZYTEL ® Nylon resin

Ref. 150000005914 Revision Date 19.01.2023 Version 2.0 Issue Date 10.08.2023

This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : ZYTEL ® Nylon resin

Types : 77CG20THS

Recycling code : ISO 11469 : >PA612-I-(CF+GF)20<

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Resin for moulding and/or extrusion

1.3. Details of the supplier of the safety data sheet

Company : Celanese Sales Germany GmbH

Am Unisyspark 1

65843 Sulzbach (Taunus), Germany

Telephone :

Telefax :

E-mail address : HazCom@celanese.com

1.4. Emergency telephone number

CHEMTREC: +1 703 527 3887 (Collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

2.2. Label elements

The product does not need to be labelled in accordance with Article 23 of Regulation 1272/2008/EC.

2.3. Other hazards



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Endocrine disrupting properties (human health):

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties (environment):

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

None.

SECTION 3: Composition/information on ingredients

Chemical nature of the

: Polyamide 6.12

substance/mixture

Carbon fibre
Glass fibre
Additives

3.1. Substances

Not applicable

3.2. Mixtures

Identification number	Component	Classification according to Regulation (EU) 1272/2008 (CLP)	Specific concentration limit/ M-Factors/ Acute toxicity estimate	%
CAS-No. 7440-44-0	Carbon	Eye Irrit. 2; H319	Oral ATE: > 2,000 mg/kg	>= 10< 20 %
EC-No. 231-153-3				
Index-No				
REACH No.				
CAS-No. 10081-67-1	4-(1-Methyl-1- phenylethyl)-N-[4-(1-	Skin Sens. 1B; H317 Aquatic Chronic 4; H413	Oral ATE: > 40,000 mg/kg	>= 0.25< 1 %
EC-No. 233-215-5	methyl-1- phenylethyl)phenyl]anilin e		Dermal ATE: > 2,000 mg/kg	
Index-No -				
REACH No.				
CAS-No. 108-31-6	Maleic anhydride	Acute Tox. 4; H302 Skin Corr. 1B; H314	Skin Sens.1A; H317:C >= 0.001 %	>= 0.001< 0.1 %

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EC-No. 203-571-6	Eye Dam. 1; H318 Resp. Sens. 1; H334	Oral ATE: 1,090 mg/kg	
Index-No 607-096-00-9	Skin Sens. 1A; H317 STOT RE 1; H372 EUH071	Dermal ATE: 2,620 mg/kg	
REACH No. 01-2119472428-31			

Carbon 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-

phenylethyl)phenyl]aniline Maleic anhydride Note: Laboratory tests/assessments have shown that one or more components in this product is/are not bioavailable in sufficient concentrations to produce adverse effects, and therefore, do not need to be considered in the final hazard labeling of the product.

The above products are compliant to REACH registration obligations; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Remove from exposure, lie down. Never give anything by mouth to an

unconscious person. No hazards which require special first aid measures. If a person vomits when lying on his back, place him in the recovery position.

Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or

combustion. Consult a physician after significant exposure.

Skin contact : Cool skin rapidly with cold water after contact with molten material. Do not peel

polymer from the skin. Obtain medical attention.

Eye contact : Flush eyes with water as a precaution. Obtain medical attention.

Ingestion : No hazards which require special first aid measures. Drink water as a

precaution.

4.2. Most important symptoms and effects, both acute and delayed

Risks : No special protective equipment required.

Symptoms : Treat symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Consult a physician.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO2), Dry powder, Foam, Water

5.2. Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: Large molten masses may ignite spontaneously in air. Water quenching is good practice. Under conditions giving incomplete combustion, hazardous gases produced may consist of: Carbon monoxide Carbon dioxide (CO2) (see also section 10)

5.3. Advice for firefighters

Special protective equipment

for firefighters

: In the event of fire, wear self-contained breathing apparatus. Wear suitable

protective equipment.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in

accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses. Burns after ignition without external heat source (IEC

60695-11-10: HB).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Ventilate the area. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses. Do not

contaminate surface water.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum. Sweep up or vacuum up spillage

and collect in suitable container for disposal.

Other information : Use mechanical handling equipment.

6.4. Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Protect from contamination. When opening containers, avoid breathing vapours

that may be emanating. Open container only in well-ventilated area. Provide appropriate exhaust ventilation at dryers, machinery and at places where dust or volatiles can be generated. General precaution for all plastics and elastomers:



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For personal protection see section 8. In case of insufficient ventilation, wear

suitable respiratory equipment. No special handling advice required.

Advice on protection against fire and explosion

Take necessary action to avoid static electricity discharge (which might cause

ignition of organic vapours).

Dust explosion class : no data available

Advice on general occupational hygiene

Wash hands before breaks and at the end of workday. General precaution for all

plastics and elastomers: Do not breathe fumes evolved from hot polymer.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

No special storage conditions required. Keep container tightly closed in a dry

and well-ventilated place. Protect from contamination.

Further information on storage conditions

none

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3. Specific end use(s)

Information on specific end use(s) of this product may be provided in a technical data sheet/annex to the SDS (if available).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

If sub-section is empty then no values are applicable. For further information on any control parameters provided, please refer to the relevant regulation.

Components with workplace control parameters

Туре	Control parameters	Update	Regulatory basis
Form of exposure	(Expressed as)		

Maleic anhydride (CAS-No. 108-31-6)



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Long-term exposure limit (8-hour TWA reference period)	1 mg/m3	2007-08-01	UK. EH40 WEL - Workplace Exposure Limits
	respiratory sensitisers) can immunological irritant or oth further exposure to the subs symptoms. These symptom who are exposed to a sensi advance those who are like occupational asthma should asthma in people with predisease themselves. The lasensitisers. Further informa assessments of the evidence reasonably practicable, experievented. Where this is no prevent workers from becor asthma, COSHH requires the Activities giving rise to short management is being consiliable to be exposed to a su appropriate consultation with of surveillance.; Sen: Capa WELs has been assigned o categories shown in Table for the substantial of surveillance.	er information: E: Substances that can cause occupational asthma (also known as asthmagens and atory sensitisers) can induce a state of specific airway hyper-responsiveness via an nological irritant or other mechanism. Once the airways have become hyper-responsive, rexposure to the substance, sometimes even in tiny quantities, may cause respiratory toms. These symptoms can range in severity from a runny nose to asthma. Not all workers are exposed to a sensitiser will become hyper-responsive and it is impossible to identify in the those who are likely to become hyper-responsive. Substances that can cause respiratory are those who are likely to become hyper-responsive. Substances that can cause reational asthma should be distinguished from substances which may trigger the symptoms of the intervention of the set themselves. The latter substances are not classified as asthmagens or respiratory isers. Further information can be found in the HSE publication Asthmagen? Critical sments of the evidence for agents implicated in occupational asthma.; 55: Wherever it is mably practicable, exposure to substances that can cause occupational asthma should be noted. Where this is not possible, the primary aim is to apply adequate standards of control to not workers from becoming hyper-responsive. For substances that can cause occupational are, COSHH requires that exposure be reduced to as low as is reasonably practicable. The significance is appropriate for all employees exposed or to be exposed to a substance which may cause occupational asthma and there should be priate consultation with an occupational health professional over the degree of risk and level evillance.; Sen: Capable of causing occupational asthma.; 56: The 'Sen' notation in the list of thas been assigned only to those substances which may cause occupational asthma in the ories shown in Table 1. It should be remembered that other substances not in these tables that occupational asthma. HSE's asthma web pages (www.hse.gov.uk/asthma) provide	
Short-term exposure limit (15-minute reference period)	3 mg/m3	2007-08-01	UK. EH40 WEL - Workplace Exposure Limits
	Further information: 53+54: Substances that can cause occupational asthma (also known as asthmagens and respiratory sensitisers) can induce a state of specific airway hyper-responsiveness via an immunological irritant or other mechanism. Once the airways have become hyper-responsive, further exposure to the substance, sometimes even in tiny quantities, may cause respiratory symptoms. These symptoms can range in severity from a runny nose to asthma. Not all workers who are exposed to a sensitiser will become hyper-responsive and it is impossible to identify in advance those who are likely to become hyper-responsive. Substances that can cause occupational asthma should be distinguished from substances which may trigger the symptoms of asthma in people with pre-existing airway hyper-responsiveness, but which do not include the disease themselves. The latter substances are not classified as asthmagens or respiratory sensitisers. Further information can be found in the HSE publication Asthmagen? Critical assessments of the evidence for agents implicated in occupational asthma.; 55: Wherever it is reasonably practicable, exposure to substances that can cause occupational asthma should be prevented. Where this is not possible, the primary aim is to apply adequate standards of control to prevent workers from becoming hyper-responsive. For substances that can cause occupational asthma, COSHH requires that exposure be reduced to as low as is reasonably practicable. Activities giving rise to short-term peak concentrations should receive particular attention when risl management is being considered. Health surveillance is appropriate for all employees exposed or liable to be exposed to a substance which may cause occupational asthma and there should be appropriate consultation with an occupational health professional over the degree of risk and level of surveillance.; Sen: Capable of causing occupational asthma.; 56: The 'Sen' notation in the list WELs has been assigned only to those substances which may cause occupational		

Dust (inhalable and respirable fraction)

zuer (minarabre and respirable mastern)				
Long-term exposure limit (8-hour TWA reference period) Inhalable	10 mg/m3	2020-01-01	UK. EH40 WEL - Workplace Exposure Limits	
Long-term exposure limit (8-hour TWA reference period) Respirable fraction	4 mg/m3	2020-01-01	UK. EH40 WEL - Workplace Exposure Limits	

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8.2. Exposure controls

Protective measures : No special protective equipment required.

Eye/face protection : Safety glasses with side-shields

Wear tightly fitting chemical splash goggles and face shield when possibility

exists for eye and face contact due to spattering or splashing of molten material.

Hand protection : Material: Heat insulating gloves

Protective gloves (Type: Kevlar® - heat resistant, use possible until worn out)

Skin and body protection : If there is a potential for contact with hot/molten material wear heat resistant

clothing and footwear. Regular cleaning of equipment, work area and clothing.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators. Suitable respiratory equipment: Half mask with

a particle filter FFP2/FFP3 (EN149)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state solid

Form pellets

Colour black

Odour none

Melting point/freezing point Melting point/range: 210 - 220 °C

Boiling point or initial boiling point

and boiling range

no data available

Flammability no data available

Lower explosion limit and upper explosion limit / flammability limit

no data available

Flash point Not applicable

Auto-ignition temperature 430 °C

Decomposition temperature Thermal decomposition

> 340 °C

pH Not applicable

Viscosity Viscosity, kinematic

no data available

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Solubility(ies) Water solubility

insoluble

Partition coefficient: n-octanol/water no data available

Vapour pressure no data available

Density and / or relative density Density

1.12 - 1.16 g/cm3 Method: ISO 1183

Relative vapour density no data available

Particle characteristics no data available

9.2. Other information

No other data to be specially mentioned.

SECTION 10: Stability and reactivity

10.1. Reactivity : Stable at normal ambient temperature and pressure.

10.2. Chemical stability : Stable at normal ambient temperature and pressure.

10.3. Possibility of hazardous reactions

: None. Further information : During drying, cleaning and moulding, small amounts of hazardous gases and/or particulate matter may be released. These

may irritate eyes, nose and throat. Large molten masses may give off hazardous gases. Water quenching is good practice. Stable under normal

conditions.

10.4. Conditions to avoid : Avoid heating for prolonged periods above the recommended upper processing

limit.

10.5. Incompatible materials : Strong acids and oxidizing agents

10.6. Hazardous

decomposition products

Hazardous thermal decomposition products may include:

Ammonia

Hydrogen cyanide (hydrocyanic acid)

Nitrogen oxides (NOx)

Aldehydes
Alcohols
Acrolein
Organic acids
Maleic anhydride
acetaldehydes
Carbon monoxide
Carbon dioxide
Formaldehyde

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (Acute oral toxicity)

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

Carbon

LD50 / Rat : > 2,000 mg/kg

Method: OECD Test Guideline 423

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

LD50 / Rat : > 40,000 mg/kg

· Maleic anhydride

LD50 / Rat: 1,090 mg/kg

Method: OECD Test Guideline 401 Central nervous system effects

Acute toxicity (Acute dermal toxicity)

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

LD50 / Rat : > 2,000 mg/kg Method: see user defined free text

· Maleic anhydride

LD50 / Rabbit : 2,620 mg/kg

Acute toxicity (Acute inhalation toxicity)

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

Maleic anhydride

An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Skin corrosion/irritation

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

Carbon

Rabbit

Classification: Not classified as irritant

Result: No skin irritation

Method: OECD Test Guideline 404

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• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

Rabbit

Classification: Not classified as irritant

Result: No skin irritation

Method: OECD Test Guideline 404

· Maleic anhydride

Rabbit

Classification: Causes burns.

Result: Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Eye irritation, Category 2

H319: Causes serious eye irritation.

Classification procedure: Calculation method

• Carbon

Rabbit

Classification: Irritating to eyes. Result: Mild eye irritation

Method: OECD Test Guideline 405

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

Rabbit

Classification: Not classified as irritant

Result: No eye irritation

Method: OECD Test Guideline 405

Maleic anhydride

Rabbit

Classification: Risk of serious damage to eyes.

Result: Corrosive

Respiratory or skin sensitisation

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction. Classification procedure: Calculation method

Carbon

Mouse Local lymph node test

Classification: Does not cause skin sensitisation.

Result: Does not cause skin sensitisation.

Method: OECD Test Guideline 429

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

Mouse

Classification: The product is a skin sensitiser, sub-category 1B.

Result: Probability or evidence of low to moderate skin sensitisation rate in humans

Method: OECD Test Guideline 429

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Maleic anhydride

Mouse

Classification: The product is a skin sensitiser, sub-category 1A.

Result: Probability or evidence of high skin sensitisation rate in humans

Method: OECD Test Guideline 429

Rat

Classification: May cause sensitisation by inhalation. Result: May cause sensitisation by inhalation.

Germ cell mutagenicity

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

Carbon

Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Evidence suggests this substance does not cause genetic damage in animals.

- 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline
 Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Evidence suggests this substance does not cause genetic damage in animals.
- · Maleic anhydride

Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

Carcinogenicity

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

• Maleic anhydride

Animal testing did not show any carcinogenic effects.

Reproductive toxicity

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline Toxicity to reproduction assessment:

Animal testing showed no reproductive toxicity.

· Maleic anhydride

Toxicity to reproduction assessment:

Weight of evidence does not support classification for reproductive toxicity Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity. No effects on or via lactation

Assessment teratogenicity:

Animal testing showed no developmental toxicity.

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STOT - single exposure

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

• Maleic anhydride

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

Carbon

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Inhalation multiple species

Respiratory tract irritation

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Ingestion Rat

Exposure time: 28 d NOAEL: 40 mg/kg LOAEL: 80 mg/kg

Method: see user defined free text

No toxicologically significant effects were found.

· Maleic anhydride

Respiratory system

The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

Inhalation Rat Exposure time: 28 d LOAEL: 0.01 mg/l

Method: OECD Test Guideline 412

Respiratory effects

Aspiration hazard

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

Carbon

No aspiration toxicity classification

- 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline
 No aspiration toxicity classification
- · Maleic anhydride



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No aspiration toxicity classification

Human experience

No human exposure data is available.

11.2. Information on other hazards

Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Note: Laboratory tests/assessments have shown that one or more components in this product is/are not bioavailable in sufficient concentrations to produce adverse effects, and therefore, do not need to be considered in the final hazard labeling of the product.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

- 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline
 LC50 / 96 h / Poecilia reticulata (guppy): 100 mg/l
 Method: OECD Test Guideline 203
 No acute toxicity effects at concentrations up to the limit of aqueous solubility
- Maleic anhydride LC50 / 96 h / Oncorhynchus mykiss (rainbow trout)

Toxicity to aquatic plants

- 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline
 ErC50 / 72 h / Pseudokirchneriella subcapitata (green algae): 116 mg/l
 Method: OECD Test Guideline 201
 No acute toxicity effects at concentrations up to the limit of aqueous solubility
- · Maleic anhydride

EC50 / 72 h / Pseudokirchneriella subcapitata (green algae): > 150 mg/l

Method: OECD Test Guideline 201

NOEC / 72 h / Pseudokirchneriella subcapitata (green algae): 150 mg/l

Method: OECD Test Guideline 201

Toxicity to aquatic invertebrates

• 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline EC50 / 48 h / Daphnia magna (Water flea): 100 mg/l



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Method: OECD Test Guideline 202 No acute toxicity effects at concentrations up to the limit of aqueous solubility

Maleic anhydride
 LC50 / 48 h / Daphnia magna (Water flea): 330 mg/l

Chronic toxicity to aquatic Invertebrates

Maleic anhydride
 NOEC / 21 d / Daphnia magna (Water flea): 10 mg/l

12.2. Persistence and degradability

Biodegradability

- Carbon
 The methods for determining biodegradability are not applicable to inorganic substances.
- 4-(1-Methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline Method: OECD Test Guideline 301D Not biodegradable
- Maleic anhydride
 Method: OECD Test Guideline 301
 Biodegradable

12.3. Bioaccumulative potential

Bioaccumulation

- Carbon
 Bioaccumulation is unlikely.
- Maleic anhydride Bioaccumulation is unlikely.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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12.7. Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : Like most thermoplastic plastics the product can be recycled. Where possible

recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled, when in compliance with local regulations. Do not contaminate ponds, waterways or

ditches with chemical or used container.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for

recycling or disposal.

European Waste Catalogue

number

: 07 02 99: Wastes not otherwise specified.

SECTION 14: Transport information

ADR

14.1. UN number or ID number:

14.2. UN proper shipping name:
14.3. Transport hazard class(es):
14.4. Packing group:
Not applicable
Not applicable
Not applicable

14.5. Environmental hazards: none

14.6. Special precautions for user:

Not classified as dangerous in the meaning of transport regulations.

IATA_C

14.1. UN number or ID number: Not applicable
14.2. UN proper shipping name: Not applicable
14.3. Transport hazard class(es): Not applicable
14.4. Packing group: Not applicable

14.5. Environmental hazards: none

14.6. Special precautions for user:

Not classified as dangerous in the meaning of transport regulations.

IMDG

14.1. UN number or ID number:

14.2. UN proper shipping name:
14.3. Transport hazard class(es):
14.4. Packing group:
Not applicable
Not applicable
Not applicable

14.5. Environmental hazards: none

14.6. Special precautions for user:

Not classified as dangerous in the meaning of transport regulations.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Not applicable

Major Accident Hazard Legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements referred to under section 3.

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure if inhaled.

H413 May cause long lasting harmful effects to aquatic life.

Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of Dangerous Goods by

Road

ATE Acute toxicity estimate

CAS-No. Chemical Abstracts Service number CLP Classification, Labelling and Packaging

EbC50 Concentration at which 50% reduction of biomass is observed

EC50 Median effective concentration

EN European Norm

EPA Environmental Protection Agency

ErC50 Concentration at which a 50% inhibition of growth rate is observed

EyC50 Concentration at which 50 % inhibition of yield is observed

IATA C International Air Transport Association (Cargo)

IBCInternational Bulk Chemical CodeICAOInternational Civil Aviation OrganizationISOInternational Standard OrganizationIMDGInternational Maritime Dangerous Goods



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LC50 Median Lethal Concentration

LD50 Median Lethal Dose

LOEC Lowest Observed Effect Concentration

LOEL Lowest observed effect level

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.o.s. Not Otherwise Specified

NOAEC No Observed Adverse Effect Concentration

NOAEL No observed adverse effect level NOEC No Observed Effect Concentration

NOEL No Observed Effect Level

OECD Organisation for Economic Co-operation and Development OPPTS Office of Prevention, Pesticides and Toxic Substances

PBT Persistent, Bioaccumulative and Toxic

STEL Short term exposure limit

TWA Time Weighted Average (TWA):

vPvB very Persistent and very Bioaccumulative

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008

Classification according to Regulation (EU) 1272/2008 (CLP)	Classification procedure:
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method

Further information

All chemical constituents are listed in:

EINECS

Before use read DuPont's safety information.

An Exposure Scenario (ES) is not required.

Note: The classification of substances listed in Annex VI to the CLP regulation are derived from assessment of the best knowledge and information available at the time of its publication or subsequent amendments. The information on components provided in sections 11 and 12 of this safety data sheet may in some cases not align with a legally binding classification on the basis of technical progress and availability of new information.

Significant change from previous version is denoted with a double bar.



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