Ossila

Revision Date: 16/09/2021 Revision #: 3

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name TPD

Synonyms N,N'-Diphenyl-N,N'-bis(3-methylphenyl)-(1,1'-diphenyl)-4,4'-diamine

Chemical Name N,N'-Bis(3-methylphenyl)-N,N'-diphenylbenzidine

Chemical Formula C38H32N2
CAS No. 65181-78-4
EC No. Not Applicable
REACH Registration No. Not applicable.

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

Identified Use(s) PC21 Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Company Identification Ossila Limited
Address of Supplier Solpro Business Park

Windsor Street Sheffield

 Postal code
 \$4 7WB, UK

 Telephone:
 +441142999180

 E-mail
 info@ossila.com

 Office hours
 08:00 - 17:00

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aquatic Chronic 2: Toxic to aquatic life with long lasting effects

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name TPD

Hazard Pictogram(s)



GHS09

Signal Word(s) Warning

Hazard Statement(s) H411: Toxic to aquatic life with long lasting effects

Precautionary Statement(s) P273: Avoid release to the environment.

2.3 Other hazards

None known.

2.4 Additional Information

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous ingredient(s)	CAS No.	EC No.	%W/W	Hazard Statement(s)
N,N'-Bis(3-methylphenyl)-N,N'-	65181-78-4	Not Applicable	≤100	Aquatic Chronic 2 H411
diphenylbenzidine				

3.2 Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing. Get medical

advice/attention if you feel unwell.

Skin Contact

Rinse skin with water. If skin irritation occurs, get medical advice/attention.

Eye Contact

Rinse skin with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

Ingestion Rinse out mouth with water. Get medical advice/attention if you feel unwell.

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4.2 Most important symptoms and effects, both acute and delayed

SECTION 11: Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire. Unsuitable extinguishing media As appropriate for surrounding fire.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters Fire fighters should wear complete protective clothing including self-contained

breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear protective clothing as per section 8.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Sweep up spilled substance but avoid making dust. Use vacuum equipment for collecting spilt materials, where practicable. Dispose of contents in accordance with

local, state or national legislation.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in a well-ventilated area. Wear protective clothing as per section 8. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Ambient.

Storage temperature Storage life Product is light sensitive. Store in the dark.

Incompatible materials None known.

7.3 Specific end use(s)

Not known. See Section: 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

No occupational exposure limit assigned.

Occupational Exposure Limits									
SUBSTANCE.	CAS No.	LTEL (8 hr TWA	LTEL (8 hr TWA	STEL (ppm)	STEL (mg/m³)	Note			
		ppm)	mg/m³)	, ,	, ,				
	65181-78-4					_			

Region Source

EU Occupational Exposure Limits

United Kingdom UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning

purposes should be present.

8.2.2. Personal protection equipment

Eye Protection Wear eye protection with side protection (EN166).

Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).

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Respiratory protection A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Thermal hazards None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

Colour: White

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Solid: Powder/Crystals

Odour Not known. Odour threshold Not known. рΗ Not known. Melting point/freezing point 175-177 °C Initial boiling point and boiling range Not known. Flash Point Not known. Evaporation rate Not known. Flammability (solid, gas) Not known. Upper/lower flammability or explosive Not known.

limits

Vapour pressure
Vapour density
Density (g/ml)
Relative density
Not known.
Not known.

Solubility(ies) Solubility (Water): Not known. Solubility (Other): Not known.

Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition Temperature (°C)
Viscosity
Not known.
Explosive properties
Not known.
Oxidising properties
Not known.
Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Not known.

10.4 Conditions to avoid

Not known.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No data available. Acute toxicity - Ingestion Acute toxicity - Skin Contact No data available. Acute toxicity - Inhalation No data available. Skin corrosion/irritation No data available. Serious eye damage/irritation No data available. Skin sensitization data No data available. No data available. Respiratory sensitization data Germ cell mutagenicity No data available. Carcinogenicity No data available. Reproductive toxicity No data available. No data available. Lactation STOT - single exposure No data available. STOT - repeated exposure No data available.

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Aspiration hazard No data available.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

Toxicity - Aquatic invertebrates Not known.

Toxicity - Fish Not known.

Toxicity - Algae Not known.

Toxicity - Sediment Compartment Not known.

Toxicity - Terrestrial Compartment Not known.

12.2 Persistence and Degradation

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known. 12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or

incinerator.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3077

14.2 UN proper shipping name UN proper shipping name

Environmentally hazardous substance, solid, n.o.s. (N,N'-Diphenyl-N,N'- bis(3-

methylphenyl)-(1,1'-diphenyl)-4,4'-diamine)

14.3 Transport hazard class(es)

ADR/RID 9
IMDG 9
IATA 9

14.4 Packing group
Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known.

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation

Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and

Not listed

use of certain dangerous substances,

mixtures and articles

Community Rolling Action Plan (CoRAP) Not listed Regulation (EC) N° 850/2004 of the Not listed

European Parliament and of the Council

on persistent organic pollutants Regulation (EC) N° 1005/2009 on

Not listed

substances that deplete the ozone layer

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Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

National regulations

Other

15.2 Chemical Safety Assessment

Not listed

Not known.

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous

Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous

Goods by Road

CAS: Chemical Abstracts Service

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substances and mixtures
DNEL: Derived No Effect Level
EC: European Community

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IBC: Intermediate Bulk Container

ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods

LTEL: Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit STOT: Specific Target Organ Toxicity

UN: United Nations

vPvB: very Persistent and very Bioaccumulative

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