DESMOPHEN 1652

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

1.1 Product identifier

DESMOPHEN 1652

Material number: 00416606

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

Use:
Binder for coating materials or adhesives

1.3 Details of the supplier of the safety data sheet

Covestro Pty Ltd.
Level 1, 700 Springvale Road
MULGRAVE, VIC 3170
AUSTRALIA

Phone: (61) 3-9581-9888
e-mail: productsafetyapac@covestro.com

1.4 Emergency telephone number

IXOM SH&E Shared Services
In Australia: 1800 033 111, In New Zealand: 0800 734 607

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification:

Non-hazardous substance according to GHS classification

2.2 Label elements

GHS-Labelling
Non-hazardous substance according to GHS classification

NON-HAZARDOUS according to the criteria of NOHSC NON-DANGEROUS GOODS

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Type of product: Substance

3.1 Substances

polyester polyol

Contains no hazardous ingredients according to GHS

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Remove contaminated clothing.

If inhaled: If there is difficulty in breathing, medical attention should be obtained.

In case of skin contact: In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.

In case of eye contact: Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.

If swallowed: DO NOT induce the patient to vomit, medical advice is required.

4.2 Most important symptoms and effects, both acute and delayed

Notes to physician: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Therapeutic measures: No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO2), Foam, extinguishing powder, in cases of larger fires, water spray should be used.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

5.3 Advice for fire-fighters

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

6.2 Environment related measures

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

6.4 Reference to other sections

For further disposal measures see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Hand protection
Protective gloves are recommended.
Conditionally suitable materials for protective gloves; EN 374:
Nitrile rubber - NBR (>= 0.35 mm)
Breakthrough time not tested; dispose of immediately after contamination.

Eye protection
Wear eye/face protection.

Skin and body protection
Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	liquid	
Colour:	colourless to yellowish	
Odour:	almost odourless	
Odour Threshold:	not established	
pH:	neutral	
Pour point:	ca. -12 °C	
Boiling point/boiling range:	ca. 110 °C at 1.013 hPa	DIN 53171
Flash point:	ca. 218 °C	DIN 51758
Evaporation rate:	not established	

Flammability (solid, gas):	not applicable	
Burning number:	not applicable	
Vapour pressure:	ca. 2 hPa at 20 °C	EG A4
	ca. 7 hPa at 50 °C	EG A4
Vapour density:	not established	
Density:	ca. 1,17 g/cm³ at 20 °C	DIN 51757
Miscibility with water:	immiscible at 15 °C	
Water solubility:	insoluble	
Surface tension:	not established	
Partition coefficient (n−octanol/water):	not established	
Auto-ignition temperature:	not applicable	
Ignition temperature:	ca. 450 °C	DIN 51794
Decomposition temperature:	not established	
Viscosity, dynamic:	ca. 10.000 mPa.s at 25 °C	DIN 53211
Explosive properties:	not established	
Dust explosion class:	not applicable	
Oxidising properties:	not established	

9.2 Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

SECTION 10: Stability and reactivity

10.1 Reactivity

This information is not available.

10.2 Chemical stability

This information is not available.

10.3 Possibility of hazardous reactions

No hazardous reactions observed.

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

SECTION 11: Toxicological information

Toxicological studies on the product are not yet available.

Please find below the data available to us:

11.1 Information on toxicological effects

Acute toxicity, oral
Polyester polyol

LD50 rat: > 2.000 mg/kg
Method: Directive 67/548/EEC, Annex V, B.1.
Studies of a comparable product.

Acute toxicity, dermal
Polyester polyol
Assessment: The substance or mixture has no acute dermal toxicity
Studies of a comparable product.

Acute toxicity, inhalation
Polyester polyol
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Studies of a comparable product.

Primary skin irritation
Polyester polyol
Species: rabbit
Result: slight irritant
Classification: No skin irritation
Studies of a comparable product.

Primary mucosae irritation
Polyester polyol
Species: rabbit
Result: slight irritant
Classification: No eye irritation
Studies of a comparable product.

Sensitisation
Polyester polyol
Skin sensitization (local lymph node assay (LLNA)):
Species: Mouse
Result: negative
Classification: Does not cause skin sensitization.
Method: OECD Test Guideline 429
Studies of a comparable product.

Subacute, subchronic and prolonged toxicity
Polyester polyol
No data available.

Carcinogenicity
Polyester polyol
No data available.

Reproductive toxicity/Fertility
Polyester polyol
No data available.

Reproductive toxicity/Teratogenicity
Polyester polyol
No data available.

Genotoxicity in vitro
Polyester polyol
Test type: Salmonella/microsome test (Ames test)
Metabolic activation: with/without
Result: negative
Method: OECD Test Guideline 471
Studies of a comparable product.

Genotoxicity in vivo
Polyester polyol
No data available.

STOT evaluation – one-time exposure

Polyester polyol
no data available

STOT evaluation – repeated exposure
Polyester polyol
no data available

Aspiration toxicity

Polyester polyol
No data available.

CMR Assessment
Polyester polyol
Carcinogenicity: No data available.
Mutagenicity: Based on available data, the classification criteria are not met.
Teratogenicity: No data available.
Reproductive toxicity/Fertility: No data available.

SECTION 12: Ecological information

Ecotoxicological studies of the product are not available.

Do not allow to escape into waterways, wastewater or soil.

Please find below the data available to us:

12.1 Toxicity

Acute Fish toxicity
Polyester polyol
LC50 > 100 mg/l
Species: Brachydanio rerio (Zebra barbel)
Exposure duration: 96 h
Studies of a comparable product.

Chronic Fish toxicity
Polyester polyol
No data available.

Acute toxicity for daphnia
Polyester polyol
EC50 > 100 mg/l
Species: Daphnia magna (Water flea)
Exposure duration: 48 h
Studies of a comparable product.

Chronic toxicity to daphnia
Polyester polyol
No data available.

Acute toxicity for algae
Polyester polyol
no data available

Acute bacterial toxicity
Polyester polyol
EC50 > 1.000 mg/l
Species: activated sludge
Method: OECD Test Guideline 209
Studies of a comparable product.

12.2 Persistence and degradability

Biodegradability
Polyester polyol
Biodegradation: < 60 %, 28 d, i.e. not readily degradable
Method: OECD Test Guideline 301 F
Studies of a comparable product.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

13.1 Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

None disposal into waste water.

SECTION 14: Transport information

ADG7 -
Australia

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

IATA

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Environmental hazards	:	Not dangerous goods

IMDG

14.1 UN number	:	Not dangerous goods
14.2 UN proper shipping name	:	Not dangerous goods
14.3 Transport hazard class(es)	:	Not dangerous goods
14.4 Packing group	:	Not dangerous goods
14.5 Marine pollutant	:	Not dangerous goods

14.6 Special precautions for user

See section 6 - 8.

Additional information : Not dangerous cargo.

Keep separated from foodstuffs.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

Not a scheduled poison under SUSDP 20

SECTION 16: Other information

Further information
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.