



DESMOCOLL XP 2597

Version 1.7

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

1.1 Product identifier

DESMOCOLL XP 2597

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 (India) Private Limited
Bayer House, Central Avenue
400607 Hirandani Estate, Thane

Tel. +91-22-2586 6141
Fax: +91-22-25455069
productsafetyapac@covestro.com

1.4 Emergency telephone number

In case of emergency: Tel: 0120 – 6763 333

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-Labeling

Non-hazardous substance according to GHS classification

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Type of product: Substance

3.1 Substances

Essentially linear polyurethane.

No dangerous ingredients according to REACH-Regulation (EC) No. 1907/2006.

The following substances are precautionary mentioned.

toluene

Concentration [wt.-%]: < 1

GHS Classification: Flam. Liq. 2 H225 Skin Irrit. 2 H315 Repr. 2 H361d STOT SE 3 H336 STOT RE 2 H373 Asp. Tox. 1 H304 Aquatic Chronic 3 H412

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Remove all contaminated clothing.

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). Granules - slip hazard! Keep unauthorised persons away.

6.2 Environment related measures

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

6.3 Methods and material for containment and cleaning up

Use mechanical handling equipment. Avoid dust formation. Fill into labeled, sealable 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**

Provide sufficient air exchange and/or exhaust in work rooms. Take measures to prevent dust formation; remove any dust with air extractors where it is formed. Observe the usual precautionary measures required for chemicals with dust-explosive properties.

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

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

The following airborne exposure limit is intended as a recommendation:

Substance	CAS-No.	Basis	Type	Value	Ceiling Limit Value	Remarks
toluene	108-88-3	IN OEL	TWA	100 ppm 375 mg/m ³		
toluene	108-88-3	IN OEL	STEL	150 ppm 560 mg/m ³		

8.2 Exposure controls**Respiratory protection**

If product forms dust wear dust-protection mask.

Hand protection

Suitable materials for safety gloves; EN 374:

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Recommendation: contaminated gloves should be disposed of.

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:	granular
Colour:	yellowish
Odour:	odourless
Odour Threshold:	not established
pH:	not applicable
Softening point:	ca. 50 - 80 °C
Boiling point/boiling range:	not applicable
Flash point:	> 200 °C
Evaporation rate:	not established
Flammability (solid, gas):	not established
Burning number:	not established
Vapour pressure:	not established
Vapour density:	not established
Density:	ca. 1,2 g/cm ³ at 23 °C
Bulk density:	ca. 0,7 kg/m ³
Water solubility:	insoluble
Surface tension:	not established
Partition coefficient (n-octanol/water):	not established
Auto-ignition temperature:	not established
Ignition temperature:	not established
Decomposition temperature:	not established
Viscosity:	not established
Explosive properties:	not established
Dust explosion class:	not established
Oxidising properties:	not established

DIN 53479
DIN ISO 697

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

Decomposition begins at 200 °C.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

Harmful volatiles may be released on prolonged heating of melts.

SECTION 11: Toxicological information

Toxicological studies on the product are not yet available.

For risk assessment data of a similar product:

11.1 Information on toxicological effects

Acute toxicity, oral

LD50 rat: ≥ 5.000 mg/kg

Method: OECD Test Guideline 423

Acute toxicity, dermal

LD50 rat: > 5.000 mg/kg

Acute toxicity, inhalation

No data available.

Primary skin irritation

Species: rabbit

Result: non-irritant

Method: OECD Test Guideline 404

Primary mucosae irritation

Species: rabbit

Result: non-irritant

Method: OECD Test Guideline 405

Sensitisation

Skin sensitisation according to Magnusson/Kligmann (maximizing test):

Species: Guinea pig

Result: negative

Classification: Does not cause skin sensitization.

Method: OECD Test Guideline 406



Subacute, subchronic and prolonged toxicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity/Fertility

No data available.

Reproductive toxicity/Teratogenicity

No data available.

Genotoxicity in vitro

No data available.

Genotoxicity in vivo

No data available.

STOT evaluation – one-time exposure

No data available.

STOT evaluation – repeated exposure

No data available.

Aspiration toxicity

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.

For risk assessment data of a similar product:

12.1 Toxicity**Acute Fish toxicity**

EC50 > 100 mg/l

Species: Danio rerio (zebra fish)

Exposure duration: 96 h

Method: OECD Test Guideline 203

Acute toxicity for daphnia

EC50 > 100 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Method: OECD Test Guideline 202

Acute toxicity for algae

No toxic effects with saturated solution.

Species: Desmodesmus subspicatus (Green algae)

Method: OECD Test Guideline 201

Acute bacterial toxicity

EC50 > 10.000 mg/l

Test type: Respiration inhibition

Species: activated sludge

Exposure duration: 3 h

Method: OECD Test Guideline 209

Studies of a comparable product.

12.2 Persistence and degradability**Biodegradability**

Biodegradation: < 60 %, 28 d, i.e. not readily degradable

Method: OECD Test Guideline 301 F

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

Land transport India

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 Environmental hazards : Not dangerous goods

14.6 Special precautions for user

See section 6 - 8.

Additional information : Not dangerous cargo.
 Keep dry. Avoid heat above +50 °C.
 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

SECTION 16: Other information

Full text of hazardous (H) warnings referred to under sections 2, 3 and 10 of the CLP classification (1272/2008/CE).

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.

