



Uralac P 877

Version 2.2

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

1.1 Product identifier

URALAC P 877

Material number: 50021706

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

Use:

Resin system used in the production of coatings.

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-Labeling

Non-hazardous substance according to GHS classification

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

2.3 Other hazards

Risk of dust explosions.
May form explosible dust-air mixture if dispersed.
Product dust may be irritating to eyes, skin and respiratory system.

SECTION 3: Composition/information on ingredients

Type of product: Mixture

3.2 Mixtures

polyester resin

Contains no hazardous ingredients according to GHS

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Remove all contaminated clothing.

For effective first-aid, special training / education is needed.

If inhaled: If high concentrations of the dusts have been inhaled, the person should be taken into the fresh air and kept still and warm. If there is difficulty in breathing, medical attention should be obtained.

Inhalation may provoke the following symptoms: respiratory tract irritation coughing

In case of skin contact: In case of skin contact wash affected areas thoroughly with soap and plenty of water. Remove contaminated clothing and shoes. 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. Remove contact lenses.

Eye contact may provoke the following symptoms irritant effects eye redness

If swallowed: Rinse mouth.

Do not induce vomiting without medical advice.

If symptoms persist, call a physician.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If victim is conscious: Give small amounts of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Notes to physician: Treat symptomatically.

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

Formation of carbon monoxide, carbon dioxide and other toxic gases in the event of fire or during thermal decomposition. Fire will produce dense black smoke containing hazardous combustion products (see section 10). In case of fire, may produce hazardous decomposition products such as: Aldehydes Organic acids

In the event of fire and/or explosion do not breathe fumes. Dust may form explosive mixture in air.

5.3 Advice for fire-fighters

Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear. Use personal protective equipment. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Containers at risk from fire should be cooled with water and, if possible, removed from the danger area. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters. Immediately evacuate personnel to safe areas.

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. Prevent formation of explosive dust-air mixtures. Immediately evacuate personnel to safe areas. Remove all sources of ignition. Keep away from open flames/hot surfaces. - No smoking. Avoid breathing dust.

6.2 Environment related measures

Do not allow to escape into waterways, wastewater or soil. If the product contaminates rivers and lakes or drains inform respective authorities. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

6.3 Methods and material for containment and cleaning up

Avoid formation and deposition of dust. Use mechanical handling equipment. Clean up promptly by sweeping or vacuum. Fill into labeled, sealable containers. Dispose of wastes in an approved waste disposal facility. Do not discharge large quantities of concentrated spills or residues into surface water or sanitary sewer system. Do not use sparking tools. Use explosion-proof equipment.

6.4 Reference to other sections

For personal protection see section 8. For further disposal measures see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Wash skin thoroughly after handling. Avoid contact with skin, eyes and clothing. Do not ingest. Avoid breathing dust. 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. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure all equipment is electrically grounded before beginning transfer operations. Do not re-use empty containers.

Remove contaminated clothing and protective equipment before entering eating areas.

Prevent formation of explosive dust-air mixtures. Take measures to prevent the build up of electrostatic charge. Keep away from heat and sources of ignition.

The personal protective measures described in section 8 must be observed.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep

working clothes separately.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Protect against heat and direct sunlight. When not in use, keep containers tightly closed. Keep in properly labelled containers. Use appropriate container to avoid environmental contamination. Keep away from oxidizing agents.

Keep away from heat and sources of ignition.

Recommended storage temperature: < 40 °C

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

Appropriate engineering controls

Ensure adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Use process enclosures, local exhaust ventilation or other engineering controls to keep concentrations below lower explosive limits. Use explosion-proof ventilating equipment.

Respiratory protection

If product forms dust wear dust-protection mask. P2 filter

Hand protection

Protective gloves complying with EN 374.

Impervious gloves

Breakthrough time not tested; dispose of immediately after contamination.

Eye protection

Safety glasses with side-shields

Skin and body protection

Wear suitable protective clothing.

Further protective measures

Wear suitable protective equipment. When using do not eat, drink or smoke. Ensure that eyewash stations and safety showers are close to the workstation location. Take off contaminated clothing and wash it before reuse. Wash face, hands and any exposed skin thoroughly after handling. Use appropriate degowning techniques to remove potentially contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid at 20 °C at 1.013 hPa
Appearance:	flakes
Colour:	colourless to yellowish
Odour:	odourless
Odour Threshold:	not established
pH:	not applicable
Melting point/freezing point:	not established
Boiling point/boiling range:	not applicable

Flash point:	> 350 °C, closed cup
Evaporation rate:	not established
Flammability:	not established
Burning number:	not established
Upper/lower flammability or explosive limits:	not established
Vapour pressure:	not established
Relative vapour density:	not established
Density:	1,2 g/cm ³ at 20 °C
Bulk density:	600 - 750 kg/m ³ at 20 °C
Miscibility with water:	immiscible
Water solubility:	not established
Surface tension:	not established
Partition coefficient (n-octanol/water):	not established
Auto-ignition temperature:	not established
Ignition temperature:	not established
Decomposition temperature:	> 350 °C
Heat of combustion:	not established
Viscosity, dynamic:	at 20 °C not applicable
Viscosity, kinematic:	at 20 °C not applicable at 40 °C not applicable
Explosive properties:	not established
Dust explosion class:	not established
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 when stored and handled correctly. Stable under normal conditions.

10.4 Conditions to avoid

Take measures to prevent the build up of electrostatic charge. Ensure all equipment is electrically grounded before beginning transfer operations. Keep away from sources of ignition. Avoid dust formation. Avoid moisture.

10.5 Incompatible materials

Oxidizing agents

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.

11.1 Information on toxicological effects

Acute toxicity, oral

No data available.

Acute toxicity, dermal

No data available.

Acute toxicity, inhalation

No data available.

Primary skin irritation

No data available.

Primary mucosae irritation

No data available.

Sensitisation

No data available.

Subacute, subchronic and prolonged toxicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity/Fertility

No data available.

Reproductive toxicity/Developmental 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.

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

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

The information in this section contains generic advice and guidance. Reference number 2008/98/EC

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. The classification of the product may meet the criteria for a hazardous waste. Offer surplus and non-recyclable solutions to a licensed disposal company. Do not dispose of waste into sewer.

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. Empty containers retain residue and can be dangerous. Containers must be recycled in compliance with national legislation and environmental regulations. Dispose of empty containers and wastes safely. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Where possible recycling is preferred to disposal or incineration.

No disposal into waste water.

SECTION 14: Transport information

ADG7 -

Australia

14.1 UN number or ID 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 or ID 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 or ID 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 Maritime transport in bulk according to IMO instruments

Product is not transported by us in bulk.

SECTION 15: Regulatory information

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

No poison schedule number allocated

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.