



BAYHYDUR BL XP 2706

Version 1.0

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

1.1 Product identifier

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

Use:

Hardener for coating materials for industrial or trade applications

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
For COVESTRO ELASTOMERS products only : Australian distributor:
Rebain International (Aust) Pty
53-55 Rodeo Drive
Dandenong South, Vic, 3175
Phone +61 3 9706 9400

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

No information available.

SECTION 3: Composition/information on ingredients

Type of product: Mixture

3.2 Mixtures

blocked aliphatic polyisocyanate, water-thinnable

ca. 40 % in water

Hazardous components

3,5-dimethylpyrazole

Concentration [wt.-%]: ca. 1,1

EC-No.: 200-657-5

CAS-No.: 67-51-6

GHS Classification: Acute Tox. 4 Oral H302 Repr. 2 H361 STOT RE 2 H373

The following substances are precautionary mentioned.

Acetone

Concentration [wt.-%]: < 1

EC-No.: 200-662-2

CAS-No.: 67-64-1

GHS Classification: Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336

5-chloro-2-methyl-3(2H)-isothiazolone / 2-methyl-3(2H)-isothiazolone (3:1)

Concentration [wt.-%]: < 0,0015

Index-No.: 613-167-00-5

CAS-No.: 55965-84-9

GHS Classification: Acute Tox. 3 Oral H301 Acute Tox. 2 Inhalative H330 Acute Tox. 3 Dermal H311 Skin

Corr. 1B H314 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

Specific threshold concentration:

Skin Corr. 1B	H314	>= 0,6 %
Skin Irrit. 2	H315	0,06 - < 0,6 %
Eye Irrit. 2	H319	0,06 - < 0,6 %
Skin Sens. 1	H317	>= 0,0015 %

M-factor (acute aquat. tox.): 10

M-factor (chron. aquat. tox.): 1

neutralising agent, bound as a salt:

2-dimethylaminoethanol

Concentration [wt.-%]: ca. 2,8

Index-No.: 603-047-00-0

EC-No.: 203-542-8

CAS-No.: 108-01-0

GHS Classification: Flam. Liq. 3 H226 Acute Tox. 4 Oral H302 Acute Tox. 3 Inhalative H331 Acute Tox. 4

Dermal H312 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT SE 3 H335

Specific threshold concentration:

STOT SE 3	H335	>= 5 %
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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Take off all contaminated clothing immediately.

If inhaled: Take the person into the fresh air and keep him warm, let him rest. In case of irritation of the respiratory tract seek medical advice.

In case of skin contact: Wash off immediately 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: If accidentally swallowed obtain immediate medical attention.

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 allow to escape into waterways, wastewater or soil.

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

When handling observe the usual precautionary measures for chemicals. Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product. Avoid contact with skin and eyes.

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

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

No threshold value in air has yet been defined for the dimethylpyrazole (see section 10) released during processing.

The following airborne exposure limit is intended as a recommendation:

Substance	CAS-No.	Basis	Type	Value	Ceiling Limit Value	Remarks
Acetone	67-64-1	AU NOEL	TWA	500 ppm 1.185 mg/m ³		
Acetone	67-64-1	AU NOEL	STEL	1.000 ppm 2.375 mg/m ³		
Acetone	67-64-1	AU OEL	TWA	500 ppm 1.185 mg/m ³		
Acetone	67-64-1	AU OEL	STEL	1.000 ppm 2.375 mg/m ³		

8.2 Exposure controls

Respiratory protection

Respiratory protection required in insufficiently ventilated working areas and during spraying.

Hand protection

Suitable materials for safety gloves; EN 374:

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

Butyl rubber - IIR: thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

Fluorinated rubber - FKM: thickness $\geq 0,4$ mm; breakthrough time ≥ 480 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:	liquid	
Colour:	yellowish	
Odour:	slight inherent odour	
Odour Threshold:	not established	
pH:	ca. 8 - 9 at 23 °C (Determined in a 10 % aqueous solution)	DIN ISO 976
Pour point:	ca. 0 °C	ISO 3016
Boiling point/boiling range:	ca. 94 °C at 1.007 hPa	DIN 53171

Flash point:	No flash point up to initial boiling point.	DIN EN ISO 2719
Evaporation rate:	not established	
Flammability:	not established	
Burning number:	not established	
Vapour pressure:	ca. 45 hPa at 20 °C	EG A4
	ca. 171 hPa at 50 °C	EG A4
	ca. 217 hPa at 55 °C	EG A4
Vapour density:	not established	
Density:	ca. 1,07 g/cm ³ at 20 °C	DIN 51757
Miscibility with water:	miscible at 15 °C	
Surface tension:	not established	
Partition coefficient (n-octanol/water):	not established	
Auto-ignition temperature:	not established	
Ignition temperature:	> 500 °C	DIN 51794
Decomposition temperature:	not established	
Viscosity, dynamic:	ca. 100 - 2.500 mPa.s at 23 °C	DIN EN ISO 3219/A.3
	Shear gradient D = ca. 10 /s	
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

Under stoving conditions dimethyl pyrazol is split off. Stoving gases should be extracted.

10.3 Possibility of hazardous reactions

No hazardous reactions when used as directed.

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

On drying of the coating / hardening release of neutralising agent. (see section 3)

SECTION 11: Toxicological information

Toxicological studies on the product are not yet available.

Please find below the toxicological data available to us for the components (hazardous components).

11.1 Information on toxicological effects**Acute toxicity, oral**

3,5-dimethylpyrazole
LD50 rat, female: 1.717 mg/kg
Method: Directive 67/548/EEC, Annex V, B.1.

Acute toxicity, dermal

3,5-dimethylpyrazole
LD50 rat, male/female: > 2.000 mg/kg
Method: OECD Test Guideline 402

Acute toxicity, inhalation

3,5-dimethylpyrazole
Assessment: no data available

Primary skin irritation

3,5-dimethylpyrazole
Species: rabbit
Exposure duration: 4 h
Result: non-irritant
Classification: No skin irritation

Primary mucosae irritation

3,5-dimethylpyrazole
Species: rabbit
Result: slight irritant
Classification: No eye irritation
Method: OECD Test Guideline 405

Sensitisation

3,5-dimethylpyrazole
Skin sensitisation:
Species: Guinea pig
Result: negative
Classification: Does not cause skin sensitization.
Method: OECD Test Guideline 406

Subacute, subchronic and prolonged toxicity

3,5-dimethylpyrazole
NOAEL: 20 mg/kg
Application Route: Oral
Species: rat, male/female
Target Organs: Liver
Method: OECD Test Guideline 422

Carcinogenicity

3,5-dimethylpyrazole
No data available.

Reproductive toxicity/Fertility

3,5-dimethylpyrazole
Possible risk of impaired fertility.

Reproductive toxicity/Teratogenicity

3,5-dimethylpyrazole
NOAEL (maternal): 20 mg/kg
NOAEL (developmental toxicity): 60 mg/kg body weight/day
Species: rat, male and female
Application Route: Oral
Dose Levels: 20 - 60 - 200 mg/kg body weight/day
Method: OECD Test Guideline 422

Genotoxicity in vitro

3,5-dimethylpyrazole

Test type: Ames test
Test system: Salmonella typhimurium
Result: negative
Method: OECD Test Guideline 471

Test type: Chromosome aberration test in vitro
Test system: Human lymphocytes
Result: negative
Method: OECD Test Guideline 473

Test type: In vitro mammalian cell gene mutation test
Test system: Mouse lymphoma cells
Result: negative
Method: OECD Test Guideline 476

Genotoxicity in vivo

3,5-dimethylpyrazole
No data available.

STOT evaluation – one-time exposure

3,5-dimethylpyrazole
Based on available data, the classification criteria are not met.

STOT evaluation – repeated exposure

3,5-dimethylpyrazole
Target Organs: Liver
May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

3,5-dimethylpyrazole
No data available.

CMR Assessment

3,5-dimethylpyrazole
Carcinogenicity: No data available.
Mutagenicity: Based on available data, the classification criteria are not met.
Teratogenicity: Suspected of damaging the unborn child (Repr. 2).
Reproductive toxicity/Fertility: Suspected of damaging fertility (Repr. 2).

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 ecotoxicological data available to us for the components.

12.1 Toxicity**Acute Fish toxicity**

3,5-dimethylpyrazole
LC50 > 100 mg/l
Species: Oncorhynchus mykiss (rainbow trout)
Exposure duration: 96 h
Method: OECD Test Guideline 203

Chronic Fish toxicity

3,5-dimethylpyrazole
No data available.

Acute toxicity for daphnia

3,5-dimethylpyrazole

EC50 > 100 mg/l
Test type: static test
Species: Daphnia magna (Water flea)
Exposure duration: 48 h
Method: OECD Test Guideline 202

Chronic toxicity to daphnia

3,5-dimethylpyrazole
No data available.

Acute toxicity for algae

3,5-dimethylpyrazole
EC50 > 100 mg/l
Test type: static test
Species: Pseudokirchneriella subcapitata (green algae)
Exposure duration: 72 h
Method: OECD Test Guideline 201

Acute bacterial toxicity

3,5-dimethylpyrazole
EC50 22 mg/l
Test type: Respiration inhibition
Species: activated sludge
Exposure duration: 3 h
Method: OECD Test Guideline 209

12.2 Persistence and degradability**Biodegradability**

3,5-dimethylpyrazole
Biodegradation: 42,8 %, 28 d, i.e. not readily degradable
Method: OECD Test Guideline 301 A

12.3 Bioaccumulative potential**Bioaccumulation**

3,5-dimethylpyrazole
Does not bioaccumulate.

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. Avoid heat above +40 °C. Avoid temperatures below +5 °C. Keep separated from foodstuffs.
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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**

No poison schedule number allocated

SECTION 16: Other information**Full text of the hazard statements of the CLP classification (1272/2008/CE) referred to under sections 2, 3 and 10.**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
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.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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.