1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier
Product name: PR 1422 A 2 PART A
Synonym(s):
- NSN: 8030-12-188-7905 • PR-1422 A-2, PART A (C160)
- 1422A123 - PRODUCT CODE • ACCELERATOR PR-1422 A-2 • COURTAULDS PR-1422 A-2 •
- INORGANIC DICHROMATE SOLUTION • PPG INDUSTRIES PR-1422 A2 ACC • PR-1422 A 2 PART A •
- PR-1422 A-2 ACCELERATOR (FORMERLY) • PR-1422 A-2, PART A (FORMERLY)

1.2 Uses and uses advised against
Use(s):
SEALANT • TWO COMPONENT PACK

1.3 Details of the supplier of the safety data sheet
Supplier name: PPG INDUSTRIES AUSTRALIA PTY. LTD. (ASC - AUSTRALIA)
Address: 23 Ovata Drive, Tullamarine, VIC, Australia, 3043
Telephone: (03) 9335 1557
Fax: (03) 9335 3490
Email: contact.aust@ppg.com
Website: http://www.ppg.com/coatings/aerospace/

1.4 Emergency telephone number(s)
Emergency: 1800 807 001

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA
GHS Classification(s):
- Acute Toxicity: Oral: Category 4
- Acute Toxicity: Skin: Category 4
- Skin Corrosion/Irritation: Category 1B
- Skin Sensitisation: Category 1
- Serious Eye Damage / Eye Irritation: Category 1
- Acute Toxicity: Inhalation: Category 2
- Respiratory Sensitisation: Category 1
- Germ Cell Mutagenicity: Category 1B
- Carcinogenicity: Category 1B
- Toxic to Reproduction: Category 1B
- Specific Target Organ Systemic Toxicity (Single Exposure): Category 1

2.2 Label elements
Signal word: DANGER
Pictograms:

Hazard statement(s):
- H302: Harmful if swallowed.
- 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.
- H330: Fatal if inhaled.
Product name: PR 1422 A 2 PART A

H34 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.
H360 May damage fertility or the unborn child.
H370 Causes damage to organs.

Prevention statement(s)
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 Wear respiratory protection.

Response statement(s)
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P307 + P311 IF exposed: Call a POISON CENTER or doctor/physician.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P320 Specific treatment is urgent - see first aid instructions.
- P363 Wash contaminated clothing before reuse.

Storage statement(s)
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal statement(s)
- P501 Dispose of contents/container in accordance with relevant regulations.

2.3 Other Hazards
No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS number</th>
<th>EC number</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>N,N-DIMETHYLACETAMIDE</td>
<td>127-19-5</td>
<td>204-826-4</td>
<td>30 - 60%</td>
</tr>
<tr>
<td>CALCIUM DICHROMATE</td>
<td>14307-33-6</td>
<td>238-243-1</td>
<td>10 - 30%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES
Product name: PR 1422 A 2 PART A

No information provided.

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media
No information provided.

5.2 Special hazards arising from the substance or mixture
No information provided.

5.3 Advice for firefighters
No information provided.

5.4 Hazchem code
● Z
- Alcohol Resistant Foam is the preferred firefighting medium. Else use;
3 Normal Foam (protein based foam that is not alcohol resistant).
Z Wear full fire kit and breathing apparatus. Contain spill and run-off.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
No information provided.

6.2 Environmental precautions
No information provided.

6.3 Methods of cleaning up
No information provided.

6.4 Reference to other sections
No information provided.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
No information provided.

7.2 Conditions for safe storage, including any incompatibilities
No information provided.

7.3 Specific end use(s)
No information provided.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Reference</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (VI) compounds (as Cr)</td>
<td>SWA (AUS)</td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>0.05</td>
</tr>
<tr>
<td>Dimethyl acetamide</td>
<td>SWA (AUS)</td>
<td>10</td>
<td>36</td>
</tr>
</tbody>
</table>

This report was compiled based on the SDS dated 28 Aug 2016
Product name: PR 1422 A 2 PART A

### Biological limits

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Reference</th>
<th>Determinant</th>
<th>Sampling time</th>
<th>BEI</th>
</tr>
</thead>
<tbody>
<tr>
<td>N,N-DIMETHYLACETAMIDE</td>
<td>ACGIH BEI</td>
<td>N-Methylacetamide in urine</td>
<td>End of shift at end of workweek</td>
<td>30 mg/g creatinine</td>
</tr>
</tbody>
</table>

#### 8.2 Exposure controls

**Engineering Controls**
No information provided.

**PPE**

- **Eye/Face**
  Wear a faceshield and splash-proof goggles.

- **Hand**
  Wear PVC or rubber gloves.

- **Body**
  Wear coveralls. When using large quantities or where heavy contamination is likely, wear a PVC or a rubber apron.

- **Respiratory**
  Where an inhalation risk exists, wear a Type B (Inorganic gases and vapours) respirator.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

- **Appearance**: BLACK LIQUID
- **Odour**: SLIGHT ODOR
- **Odour Threshold**: NOT AVAILABLE
- **Flammability**: NON FLAMMABLE
- **Flash Point**: NOT RELEVANT
- **Boiling Point**: 100°C to 166.11°C
- **Melting Point**: NOT AVAILABLE
- **Evaporation Rate**: NOT AVAILABLE
- **pH**: NOT AVAILABLE
- **Specific Gravity**: 1.39
- **Solubility (water)**: INSOLUBLE
- **Vapour Density**: NOT AVAILABLE
- **Vapour Pressure**: NOT AVAILABLE
- **Upper Explosion Limit**: NOT RELEVANT
- **Lower Explosion Limit**: NOT RELEVANT
- **Partition Coefficient**: NOT AVAILABLE
- **Autoignition Temperature**: NOT AVAILABLE
- **Decomposition Temperature**: NOT AVAILABLE
- **Viscosity**: NOT AVAILABLE
- **Explosive Properties**: NOT AVAILABLE
- **Oxidising Properties**: NOT AVAILABLE

#### 9.2 Other information
No information provided.
10. STABILITY AND REACTIVITY

10.1 Reactivity
Carefully review all information in sections 10.2 to 10.6.

10.2 Chemical stability
No information provided.

10.3 Possibility of hazardous reactions
No information provided.

10.4 Conditions to avoid
No information provided.

10.5 Incompatible materials
No information provided.

10.6 Hazardous decomposition products
May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Health Hazard
No information provided.

Summary
No information provided.
No information provided.
No information provided.
No information provided.

N,N-DIMETHYLACETAMIDE (127-19-5)
LD50 (Ingestion): 5,830 mg/kg (rat)

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No information provided.

12.2 Persistence and degradability
No information provided.

12.3 Bioaccumulative potential
No information provided.

12.4 Mobility in soil
No information provided.

12.5 Results of PBT and vPvB assessment
No information provided.

12.6 Other adverse effects
No information provided.
13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

No information provided.

Legislation
Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<table>
<thead>
<tr>
<th>Land Transport (ADG)</th>
<th>Sea Transport (IMDG/IMO)</th>
<th>Air Transport (IATA/ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3082</td>
<td>3082</td>
<td>3082</td>
</tr>
</tbody>
</table>

14.1 UN number
3082

14.2 UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3 Transport hazard classes

DG Class

<table>
<thead>
<tr>
<th>Land Transport (ADG)</th>
<th>Sea Transport (IMDG/IMO)</th>
<th>Air Transport (IATA/ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
</tbody>
</table>

Subsidiary risk(s)
None Allocated

14.4 Packing group

<table>
<thead>
<tr>
<th>Land Transport (ADG)</th>
<th>Sea Transport (IMDG/IMO)</th>
<th>Air Transport (IATA/ICAO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
</tbody>
</table>

14.5 Environmental hazards
Marine Pollutant

14.6 Special precautions for user

Hazchem Code
3Z

EMS
F-A, S-F

15. REGULATORY INFORMATION

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

Poison schedule
Classified as a Schedule 6 Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications
C - Corrosive
Carc. - Carcinogen
Muta. - Mutagen
Repr. - Reproductive toxin
T - Toxic
T+ - Very toxic
Xi - Irritant
Xn - Harmful

Risk phrases
R21/22: Harmful in contact with skin and if swallowed.
R26: Very toxic by inhalation.
R34: Causes burns.
R39/23: Toxic: danger of very serious irreversible effects through inhalation.
R41: Risk of serious damage to eyes.
R42/43: May cause sensitisation by inhalation and skin contact.
R45: May cause cancer.
R46: May cause heritable genetic damage.
R61: May cause harm to the unborn child.

Safety phrases
S36/37: Wear suitable protective clothing and gloves.
Product name: PR 1422 A 2 PART A

S53: Avoid exposure - obtain special instructions before use.
S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

WHS regulatory information

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS number</th>
<th>Regulation</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM DICROMATE</td>
<td>14307-33-6</td>
<td>Restricted Hazardous Chemicals</td>
<td>Chromate. For wet abrasive blasting.</td>
</tr>
</tbody>
</table>

Inventory listing(s)

- AUSTRALIA: AICS (Australian Inventory of Chemical Substances)
  All components are listed on AICS, or are exempt.

15.2 Chemical safety assessment

No information provided.

16. OTHER INFORMATION

Additional information

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Abbreviations

ACGIH American Conference of Governmental Industrial Hygienists
CAS # Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS Central Nervous System
EC No. EC No - European Community Number
EMS Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS Globally Harmonized System
GTEPG Group Text Emergency Procedure Guide
IARC International Agency for Research on Cancer
LC50 Lethal Concentration, 50% / Median Lethal Concentration
LD50 Lethal Dose, 50% / Median Lethal Dose
mg/m³ Milligrams per Cubic Metre
OEL Occupational Exposure Limit
pH relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm Parts Per Million
STEL Short-Term Exposure Limit
STOT-RE Specific target organ toxicity (repeated exposure)
STOT-SE Specific target organ toxicity (single exposure)
SUSMP Standard for the Uniform Scheduling of Medicines and Poisons
SWA Safe Work Australia
TLV Threshold Limit Value
TWA Time Weighted Average

Report Status
This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ('SDS') for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been

Reviewed: 03 Nov 2016
Printed: 08 Nov 2016
PR 1422 A 2 PART A

authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this ChemAlert report.

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Last Reviewed: 03 Nov 2016
Date Printed: 08 Nov 2016
Based on SDS dated: 28 Aug 2016

End of Report