SAFETY DATA SHEET

1. Identification

Product identifier          Poulvac® Newcastle iK Vaccine

Other means of identification

Synonyms          Poulvac Newcastle iK * Newcastle disease vaccine

Recommended use of the chemical and restrictions on use

Recommended use          Veterinary vaccine

Restrictions on use        Not for human use

Details of manufacturer or importer

Company Name (AU)          Zoetis Australia Pty Ltd

ABN 94 156 476 425

Level 6, 5 Rider Boulevard

Rhodes NSW 2138 AUSTRALIA

Tel          1800 814 883

Fax          (02) 8876 0444

Email          australia.animalhealth@zoetis.com

Emergency Phone          1800 814 883 (all hours)

Police and Fire Brigade          Dial 000

If ineffective          Dial Poisons Information Centre (13 1126 from anywhere in Australia)

2. Hazard(s) identification

Classification of the hazardous chemical

Physical hazards          Not classified.

Health hazards          Not classified.

Environmental hazards          Not classified.

Label elements, including precautionary statements

Hazard symbol(s)          None.

Signal word          None.

Hazard statement(s)          The mixture does not meet the criteria for classification.

Precautionary statement(s)

Prevention          Observe good industrial hygiene practices.

Response          Wash hands after handling.

Storage          Store away from incompatible materials.

Disposal          Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not result in classification          None known.

Supplemental information          Direct contact with eyes may cause temporary irritation. In the event of accidental injection, an allergic reaction may occur. This product is an oil-adjuvanted suspension. Oil-adjuvant containing products may cause severe vasospasm following accidental injection.

3. Composition/information on ingredients

Mixture

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil, white</td>
<td>8042-47-5</td>
<td>50-80</td>
</tr>
<tr>
<td>Formaldehyde</td>
<td>50-00-0</td>
<td>&lt;0.1</td>
</tr>
<tr>
<td>Newcastle Disease Virus, killed</td>
<td>Not assigned</td>
<td></td>
</tr>
</tbody>
</table>

Material name: Poulvac® Newcastle iK Vaccine

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SDS AUSTRALIA

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4. First-aid measures

Description of necessary first aid measures

**Inhalation**
Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.

**Skin contact**
In the case of skin contact, immediately wash the skin with plenty of soap and water. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately. Self Injection: In all instances of accidental self injection contact a doctor as soon as possible. Further information on treatment is available from Poisons Information Centre - Phone 131 126. Accidental self injection may lead to an inflammatory response. Medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. Check your tetanus immunisation status.

**Eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do.

**Ingestion**
Rinse mouth. Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

**Personal protection for first-aid responders**
IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS. You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Symptoms caused by exposure**
Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. In the event of accidental injection, an allergic reaction may occur. Signs and symptoms might include skin rash, itching, redness or swelling. Respiratory reactions may be characterized by rhinitis, sneezing, scratchy throat, oral mucosal edema, laryngeal mucosal edema, coughing, shortness of breath, wheezing, and chest pain. Asthma like reactions occur with acute exposures in sensitized patients. This product is an oil-adjuvanted suspension. Oil-adjuvant containing products may cause severe vasospasm following accidental injection.

**Medical attention and special treatment**
Treat symptomatically. Symptoms may be delayed. Self Injection: This product contains mineral oil. In the event of accidental self-administration, it can cause significant pain and prolonged swelling for 6 to 24 months at the injection site, perhaps also involving the draining lymph nodes. Medical or surgical intervention may be required, especially if the site of injection involves a finger joint or tendon sheath. Accidental self-injection of this vaccine may result in cross-reaction with, and a false positive test results for human tuberculosis. Cases of accidental self-injection should also be reported to Zoetis on 1800 814 883.

Self Injection: In all instances of accidental self injection contact a doctor as soon as possible. Further information on treatment is available from Poisons Information Centre - Phone 131 126. Accidental self injection may lead to an inflammatory response. Medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. Check your tetanus immunisation status. The recommendations following self inoculation for medical management or surgical intervention are as follows: Category 1 injury (superficial skin exposure) Simply wash the contaminated area in warm soapy water. If vaccine material is splashed onto mucosal surfaces (e.g. eyes) there is greater risk and topical corticosteroids should be considered here. Category 2 injury (simple needle-stick injuries without injection) Allow the wound to bleed freely and do not squeeze or interfere with the injection site. Clean the wound thoroughly with soap and water, and keep it clean and dry. Treat symptomatically (e.g. ensure appropriate tetanus cover; prescribe topical corticosteroids and oral antibiotics to prevent opportunistic infection). If unsure whether or not product has been injected, monitor for 24 hours. If pain and swelling subside, injection is unlikely to have occurred. If pain and swelling persist after 24 hours, treatment should be as per Category 3. Category 3 injury (injection of vaccine material) Acute pain and inflammation is usually evident within 24 hours. Perform early surgery and drainage to remove the oil based vaccine material before it spreads or elicits a severe granulomatous reaction. Category 4 injury (lesion that has progressed to necrosis or granulomatous ulceration) Perform surgical debridement to remove any residual vaccine material. Skin grafting may ultimately be required.

5. Fire-fighting measures

**Extinguishing media**

- **Suitable extinguishing media**
  Foam. Dry chemicals. Carbon dioxide (CO2).

- **Unsuitable extinguishing media**
  Do not use water jet as an extinguisher, as this will spread the fire.

- **Specific hazards arising from the chemical**
  During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for fire fighters

- Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Hazchem Code

- None.

General fire hazards

- Material will burn in a fire. Combustible.

Specific methods

- Use standard firefighting procedures and consider the hazards of other involved materials.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

- Keep unnecessary personnel away.

**For emergency responders**

- Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

#### Environmental precautions

- Avoid discharge into drains, water courses or onto the ground.

#### Methods and materials for containment and cleaning up

- Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up.
- Remove sources of ignition. Avoid release to the environment.
- Contain the source of the spill if it is safe to do so. Absorb spillage with non-combustible, absorbent material. Clean surface thoroughly to remove residual contamination.
- Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### 7. Handling and storage

#### Precautions for safe handling

- Avoid accidental injection. Avoid contact with eyes, skin, and clothing. Avoid breathing mist or vapour. Wash thoroughly after handling. When using, do not eat, drink or smoke. Wear personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

#### Conditions for safe storage, including any incompatibilities

- Refrigeration recommended. 2 - 8°C (36 - 46°F). Do not freeze. Store in original tightly closed container. Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls and personal protection

#### Control parameters

Follow standard monitoring procedures.

#### Occupational exposure limits

**Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde (CAS 50-00-0)</td>
<td>STEL</td>
<td>2.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
</tr>
<tr>
<td>Mineral oil, white (CAS 8042-47-5)</td>
<td>TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

**Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde (CAS 50-00-0)</td>
<td>STEL</td>
<td>2.5 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.2 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ppm</td>
<td></td>
</tr>
<tr>
<td>Mineral oil, white (CAS 8042-47-5)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde (CAS 50-00-0)</td>
<td>STEL</td>
<td>0.3 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 ppm</td>
<td></td>
</tr>
</tbody>
</table>
US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mineral oil, white (CAS 8042-47-5)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

**UK. EH40 Workplace Exposure Limits (WELs)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde (CAS 50-00-0)</td>
<td>STEL</td>
<td>2.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 ppm</td>
</tr>
</tbody>
</table>

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde (CAS 50-00-0)</td>
<td>TWA</td>
<td>0.37 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Mineral oil, white (CAS 8042-47-5)</td>
<td>TWA</td>
<td>0.3 ppm</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

**Individual protection measures, for example personal protective equipment (PPE)**

- **Eye/face protection**
  
  If contact is likely, safety glasses with side shields are recommended.

- **Skin protection**
  
  Wear appropriate chemical resistant gloves.

- **Hand protection**
  
  Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

- **Respiratory protection**
  
  No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

- **Thermal hazards**
  
  Not applicable.

- **Hygiene measures**
  
  Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

- **Appearance**
  
  Oily. suspension.

- **Physical state**
  
  Liquid.

- **Form**
  
  Liquid.

- **Colour**
  
  Not available.

- **Odour**
  
  Not available.

- **Odour threshold**
  
  Not available.

- **pH**
  
  Not available.

- **Melting point/freezing point**
  
  Not available.

- **Initial boiling point and boiling range**
  
  Not available.

- **Flash point**
  
  Not available.

- **Evaporation rate**
  
  Not available.

- **Flammability (solid, gas)**
  
  Not applicable.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit – upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other physical and chemical parameters</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidising.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: Contact with incompatible materials. Keep away from heat, sparks and open flame. High temperatures.

Incompatible materials: Strong oxidising agents.

Hazardous decomposition products: No hazardous decomposition products are known. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

11. Toxicological information

Information on possible routes of exposure

**Inhalation**
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin contact**
Prolonged skin contact may cause temporary irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

- **Formaldehyde**
  - Species: Rabbit
  - Severity: Moderate to Severe

- **Mineral oil, white**
  - Species: Rabbit
  - Severity: Slight

**Eye contact**
Direct contact with eyes may cause temporary irritation.

- **Formaldehyde**
  - Species: Rabbit
  - Severity: Severe

- **Mineral oil, white**
  - Species: Rabbit
  - Severity: Slight

**Ingestion**
May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
### Symptoms related to exposure

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. In the event of accidental injection, an allergic reaction may occur. Signs and symptoms might include skin rash, itching, redness or swelling. Respiratory reactions may be characterized by rhinitis, sneezing, scratchy throat, oral mucosal edema, laryngeal mucosal edema, coughing, shortness of breath, wheezing, and chest pain. Asthma like reactions occur with acute exposures in sensitized patients. This product is an oil-adjuvanted suspension. Oil-adjuvant containing products may cause severe vasospasm following accidental injection.

### Acute toxicity

Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Formaldehyde (CAS 50-00-0)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>270 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mouse</td>
<td>0.414 mg/l, 4 hours</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>0.48 mg/l, 4 hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>100 mg/kg</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mouse</td>
<td>15 ppm, 2 years Tumours</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>15 ppm, 90 days Respiratory system</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 ppm, 2 years Tumours</td>
</tr>
<tr>
<td><strong>Mineral oil, white (CAS 8042-47-5)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Prolonged skin contact may cause temporary irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Corrosivity</strong></td>
<td>Mineral oil, white</td>
<td>Species: Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Severity: Slight</td>
</tr>
<tr>
<td><strong>Serious eye damage/irritation</strong></td>
<td>Direct contact with eyes may cause temporary irritation.</td>
<td></td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Formaldehyde</td>
<td>Species: Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Severity: Severe</td>
</tr>
<tr>
<td></td>
<td>Mineral oil, white</td>
<td>Species: Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Severity: Slight</td>
</tr>
</tbody>
</table>

### Respiratory or skin sensitisation

**ACGIH sensitisation**

<table>
<thead>
<tr>
<th>Material name: Poulvac® Newcastle iK Vaccine</th>
<th>Sensitisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORMALDEHYDE (CAS 50-00-0)</td>
<td>Dermal sensitization</td>
</tr>
<tr>
<td></td>
<td>Respiratory sensitisation</td>
</tr>
</tbody>
</table>

**Respiratory sensitisation**

Due to partial or complete lack of data the classification is not possible. In the event of accidental injection, an allergic reaction may occur.

**Skin sensitisation**

Due to partial or complete lack of data the classification is not possible. This product contains formaldehyde which is considered to be a skin sensitizer. In the event of accidental injection, an allergic reaction may occur.

<table>
<thead>
<tr>
<th>Material name: Poulvac® Newcastle iK Vaccine</th>
<th>Sensitisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formaldehyde</td>
<td>Species: Guinea Pig</td>
</tr>
<tr>
<td></td>
<td>Severity: positive</td>
</tr>
</tbody>
</table>

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Mutagenicity
Formaldehyde
In Vitro Bacterial Mutagenicity (Ames)
Result: positive
Species: Bacteria

In Vitro Chromosome Aberration
Result: positive
Species: Rodent

In Vitro Sister Chromatid Exchange
Result: positive
Species: Rodent

In Vivo Chromosome Aberration
Result: positive
Species: Not specified

Carcinogenicity
Due to partial or complete lack of data the classification is not possible. No data available to indicate product or any components present at greater than 0.1% are carcinogenic.

ACGIH Carcinogens
Formaldehyde (CAS 50-00-0) A1 Confirmed human carcinogen.
Mineral oil, white (CAS 8042-47-5) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity
Formaldehyde (CAS 50-00-0) 1 Carcinogenic to humans.
Mineral oil, white (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity
Due to partial or complete lack of data the classification is not possible. This product is not expected to cause reproductive or developmental effects.

Developmental effects
Formaldehyde 185 mg/kg/day Embryo / Fetal Development, Not teratogenic
Species: Mouse
Organ: Oral

40 ppm Embryo / Fetal Development, Not Teratogenic
Species: Rat
Organ: Inhalation

Specific target organ toxicity - single exposure
Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure
Due to partial or complete lack of data the classification is not possible.

Aspiration hazard
Not an aspiration hazard.

Other information
The antigens included in this product are non-infectious. All have been prepared from killed or inactivated preparations of microorganisms.

12. Ecological information
Ecotoxicity
Based on available data, the classification criteria are not met for hazardous to the aquatic environment. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

Components | Test results
--- | ---
Formaldehyde (CAS 50-00-0) | EC50 42 mg/l, 24 Hours
Mineral oil, white (CAS 8042-47-5) | LC50 118 ppm, 96 Hours

Aquatic
Crustacea | EC50 4.3 - 7.8 mg/l, 48 hours
Fish | LC50 10.302 - 16.743 mg/l, 96 hours

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available for this product. Not expected to bioaccumulate.
Mobility in soil
No data available for this product.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal methods
Avoid release to the environment. Do not contaminate ponds, waterways or ditches with chemical or used container. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.

Residual waste
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

ADG
Not regulated as dangerous goods.

RID
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

15. Regulatory information

Safety, health and environmental regulations
This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011).

National regulations
This SDS replaces version: Issued December, 2017

Australia Medicines & Poisons Appendix E
FORMALDEHYDE (ALSO SEE PARAFORMALDEHYDE) (CAS 50-00-0)
HYDROCARBONS, LIQUID (CAS 8042-47-5)

Australia Medicines & Poisons Appendix F
FORMALDEHYDE (IN NAIL HARDENER COSMETICS) (CAS 50-00-0)

Australia Medicines & Poisons Schedule 10
FORMALDEHYDE (EXCLUDING ITS DERIVATIVES) (CAS 50-00-0)

Australia Medicines & Poisons Schedule 2
FORMALDEHYDE (EXCLUDING ITS DERIVATIVES) (CAS 50-00-0)

Australia Medicines & Poisons Schedule 5
HYDROCARBONS, LIQUID, INCLUDING KEROSENE, DIESEL (DISTILLATE), MINERAL TURPENTINE, WHITE PETROLEUM SPIRIT, TOLUENE, XYLENE AND LIGHT MINERAL AND PARAFFIN OILS (BUT EXCLUDING THEIR DERIVATIVES) (CAS 8042-47-5)

Australia Medicines & Poisons Schedule 6
FORMALDEHYDE (EXCLUDING ITS DERIVATIVES) (CAS 50-00-0)

Australia National Pollutant Inventory (NPI): Threshold quantity
Formaldehyde (CAS 50-00-0) 10 TONNES/YR Threshold Category: 1

High Volume Industrial Chemicals (HVIC)
Formaldehyde (CAS 50-00-0) 10000 - 99999 TONNES See the regulation for additional information.
Mineral oil, white (CAS 8042-47-5) 1000 - 9999 TONNES See the regulation for additional information.
Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)
Not listed.

National Pollutant Inventory (NPI) substance reporting list
Not listed.

Prohibited Carcinogenic Substances
Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)
Not listed.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)
Not listed.

Restricted Carcinogenic Substances
Not regulated.

International regulations

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Montreal Protocol
Not applicable.

Basel Convention
Not applicable.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
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</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Issue date 02-February-2018

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