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**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

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**1.1 Product identifier**

**Product name** ERS 6X MAKE UP  
**Synonyms** 6X MAKE UP

**1.2 Uses and uses advised against**

**Uses** INDUSTRIAL APPLICATIONS • SPECIALTY CHEMICAL • SURFACE FINISHING

**1.3 Details of the supplier of the product**

**Supplier name** DUBOIS CHEMICALS AUSTRALIA PTY LIMITED  
**Address** 305 Frankston Dandenong Rd, Dandenong South, VIC, 3175, AUSTRALIA  
**Telephone** (03) 9768 3860  
**Email** [sales@duboischchemicals.com.au](mailto:sales@duboischchemicals.com.au)  
**Website** <http://duboischchemicals.com.au/>

**1.4 Emergency telephone numbers**

**Emergency** 13 11 26 (Poisons Information Centre)

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**2. HAZARDS IDENTIFICATION**

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**2.1 Classification of the substance or mixture**

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

**Physical Hazards**

Not classified as a Physical Hazard

**Health Hazards**

Serious Eye Damage / Eye Irritation: Category 2A  
Toxic to Reproduction: Category 1B  
Toxic to Reproduction: Lactation effects  
Specific Target Organ Toxicity (Repeated Exposure): Category 2

**Environmental Hazards**

Not classified as an Environmental Hazard

**2.2 GHS Label elements**

**Signal word** DANGER

**Pictograms****Hazard statements**

H319 Causes serious eye irritation.  
H360FD May damage fertility. May damage the unborn child.  
H362 May cause harm to breast-fed children.  
H373 May cause damage to organs through prolonged or repeated exposure.

**PRODUCT NAME ERS 6X MAKE UP****Prevention statements**

|      |  |
|------|--|
| P201 | Obtain special instructions before use.                                    |
| P202 | Do not handle until all safety precautions have been read and understood.  |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P263 | Avoid contact during pregnancy and while nursing.                          |
| P264 | Wash thoroughly after handling.  |
| P270 | Do not eat, drink or smoke when using this product.                        |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

**Response statements**

|                    |  |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313        | IF exposed or concerned: Get medical advice/ attention.  |

**Storage statements**

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

**Disposal statements**

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with relevant regulations. |
|------|--|

**2.3 Other hazards**

No information provided.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substances / Mixtures**

| Ingredient                | CAS Number    | EC Number     | Content   |
|---------------------------|---------------|---------------|-----------|
| ACETIC ACID               | 64-19-7       | 200-580-7     | 25 to 30% |
| AMMONIUM HYDROXIDE        | 1336-21-6     | 231-647-6     | 25 to 30% |
| AMMONIUM BROMIDE          | 12124-97-9    | 235-183-8     | 5 to 10%  |
| AMMONIUM NITRATE          | 6484-52-2     | 229-347-8     | 5 to 10%  |
| NON HAZARDOUS INGREDIENTS | Not Available | Not Available | Remainder |

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**4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.                 |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor. |
| <b>Ingestion</b>            | For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.   |
| <b>First aid facilities</b> | Eye wash facilities and safety shower should be available.   |

**4.2 Most important symptoms and effects, both acute and delayed**

Irritating to the eyes and skin.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**5.2 Special hazards arising from the substance or mixture**

Non flammable. May evolve toxic gases if strongly heated. May evolve nitrogen oxides and bromides when heated to decomposition.

**5.3 Advice for firefighters**

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**5.4 Hazchem code**

None allocated.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

If spilt (bulk), mop up area. CAUTION: Spill site may be slippery.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

**7.3 Specific end uses**

No information provided.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**Exposure standards**

| Ingredient  | Reference | TWA |                   | STEL |                   |
|-------------|-----------|-----|-------------------|------|-------------------|
|             |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Acetic acid | SWA [AUS] | 10  | 25                | 15   | 37                |
| Ammonia     | SWA [AUS] | 25  | 17                | 35   | 24                |

**Biological limits**

| Ingredient       | Reference | Determinant            | Sampling Time          | BEI                |
|------------------|-----------|------------------------|------------------------|--------------------|
| AMMONIUM NITRATE | ACGIH BEI | Methemoglobin in blood | During or end of shift | 1.5% of hemoglobin |

**8.2 Exposure controls**

**Engineering controls** Avoid inhalation. Use in well ventilated areas.

**PPE**

|                    |  |
|--------------------|--|
| <b>Eye / Face</b>  | Wear safety glasses.   |
| <b>Hands</b>       | Wear PVC or rubber gloves.   |
| <b>Body</b>        | Wear coveralls.  |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Type K (ammonia) / Ammonia respirator. |



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Appearance</b>                | CLEAR COLOURLESS LIQUID |
| <b>Odour</b>                     | ODOURLESS               |
| <b>Flammability</b>              | NON FLAMMABLE           |
| <b>Flash point</b>               | NOT RELEVANT            |
| <b>Boiling point</b>             | 100°C (Approximately)   |
| <b>Melting point</b>             | 0°C (Approximately)     |
| <b>Evaporation rate</b>          | NOT AVAILABLE           |
| <b>pH</b>                        | 6.0 to 6.5              |
| <b>Vapour density</b>            | NOT AVAILABLE           |
| <b>Relative density</b>          | 1.15                    |
| <b>Solubility (water)</b>        | SOLUBLE                 |
| <b>Vapour pressure</b>           | NOT AVAILABLE           |
| <b>Upper explosion limit</b>     | NOT RELEVANT            |
| <b>Lower explosion limit</b>     | NOT RELEVANT            |
| <b>Partition coefficient</b>     | NOT AVAILABLE           |
| <b>Autoignition temperature</b>  | NOT AVAILABLE           |
| <b>Decomposition temperature</b> | NOT AVAILABLE           |
| <b>Viscosity</b>                 | NOT AVAILABLE           |
| <b>Explosive properties</b>      | NOT AVAILABLE           |
| <b>Oxidising properties</b>      | NOT AVAILABLE           |
| <b>Odour threshold</b>           | NOT AVAILABLE           |

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**10. STABILITY AND REACTIVITY**

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**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Polymerization is not expected to occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid).

**10.6 Hazardous decomposition products**

May evolve nitrogen oxides and bromides when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

**Acute toxicity** Acute oral exposure may result in irritation of the mouth, throat, oesophagus and gastrointestinal tract.

Information available for the ingredients:

| Ingredient         | Oral LD50         | Dermal LD50         | Inhalation LC50         |
|--------------------|-------------------|---------------------|-------------------------|
| ACETIC ACID        | 3310 mg/kg (rat)  | 1.06 g/kg (rabbit)  | 5620 ppm/1 hour         |
| AMMONIUM HYDROXIDE | 350 mg/kg (rat)   | --                  | 1470 ppm (mice) [AICIS] |
| AMMONIUM BROMIDE   | 2,714 mg/kg (rat) | > 2,000 mg/kg (rat) | > 0.1 mg/l/4hrs (rat)   |
| AMMONIUM NITRATE   | 2217 mg/kg (rat)  | > 5000 mg/kg (rat)  | --                      |

|                                 |   |
|---------------------------------|---|
| <b>Skin</b>                     | Contact may result in irritation, redness, pain and rash.   |
| <b>Eye</b>                      | Contact may result in irritation, lacrimation, pain and redness.  |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.  |
| <b>Mutagenicity</b>             | Not classified as a mutagen.  |
| <b>Carcinogenicity</b>          | Not classified as a carcinogen.   |
| <b>Reproductive</b>             | May damage fertility. May damage the unborn child. May cause harm to breast-fed children.   |
| <b>STOT - single exposure</b>   | Over exposure may result in mucous membrane irritation of the respiratory tract, coughing, nausea, dizziness and headache.  |
| <b>STOT - repeated exposure</b> | May cause damage to organs through prolonged or repeated exposure. Repeated exposure to bromides have been reported to cause bromism, resulting in CNS effects such as restlessness, irritability, ataxia, confusion, hallucinations, psychosis, weakness, stupor and, in severe cases, coma. |
| <b>Aspiration</b>               | Not classified as causing aspiration.   |

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No information provided.

### 12.2 Persistence and degradability

Readily biodegradable. Does not persist in the environment.

### 12.3 Bioaccumulative potential

Material does not bioaccumulate.

### 12.4 Mobility in soil

Soluble in water. Highly mobile in soils.

### 12.5 Other adverse effects

ATMOSPHERE: Ammonia is readily returned to the soil by washout from rain. SOIL: Ammonia is strongly adsorbed to the soil. WATER: Rapidly converted to nitrates resulting in an increase in the pH of water and a biological oxygen demand (BOD) several days after the introduction of ammonia. Highly toxic to fish - levels of 1 ppm in water may be fatal to some species.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Waste disposal** For small amounts, flush to sewer with excess water or absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For large quantities, contact the manufacturer/supplier for additional information.

**Legislation** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

|                             | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|-----------------------------|----------------------|----------------------------|-----------------------------|
| 14.1 UN Number              | None allocated.      | None allocated.            | None allocated.             |
| 14.2 Proper Shipping Name   | None allocated.      | None allocated.            | None allocated.             |
| 14.3 Transport hazard class | None allocated.      | None allocated.            | None allocated.             |
| 14.4 Packing Group          | None allocated.      | None allocated.            | None allocated.             |

**14.5 Environmental hazards**

No information provided.

**14.6 Special precautions for user**

Hazchem code None allocated.

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**15. REGULATORY INFORMATION**

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

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

**Inventory listings** **AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)**  
All components are listed on AIIC, or are exempt.

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**16. OTHER INFORMATION**

**Additional information**

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, 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.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; 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 report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PRODUCT NAME ERS 6X MAKE UP****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/m <sup>3</sup> | 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 document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources 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. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, 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 SDS.

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