

## Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 01.02.2024

Product: **ARDROX 6025**

Version: 1.0

(30720960/SDS\_GEN\_NZ/EN)

Date of print: 23.05.2024

### 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**ARDROX 6025**

Recommended use: Detergents

Not recommended use: Uses other than recommended

Manufacturer/supplier:

Chemetall (New Zealand) Ltd  
664 Rosebank Road Avondale,  
Auckland 1026  
NEW ZEALAND  
Telephone: 008 837 464, +64 9 820 3888  
Telefax number: +64 9 820 3979  
E-mail address: nzadmin@basf.com

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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### 2. Hazard identification

Classification of the substance and mixture:

Skin sensitization: Cat.1

Skin corrosion/irritation: Cat.1

Serious eye damage/eye irritation: Cat.1

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves, protective clothing and eye protection or face protection.

P264 Wash contaminated body parts thoroughly after handling.

P260 Do not breathe dust or mist.

P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P363 Wash contaminated clothing before reuse.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P333 + P313 If skin irritation or rash occurs: Get medical attention.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

Classified as 'corrosive' due to pH value

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### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

inorganic compounds, organic compounds, Water, organic solvent, inorganic salts

**Hazardous ingredients**

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Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., sodium salts

Content (W/W):  $\geq 3\%$  -  $< 5\%$  Acute Tox.: Cat. 4 (oral)

CAS Number: 127184-52-5

Tall oil, sodium salt

Content (W/W):  $\geq 2.5\%$  -  $< 3\%$  Skin Corr./Irrit.: Cat. 2

CAS Number: 65997-01-5 Skin Sens.: Cat. 1

STOT SE (Respiratory system): Cat. 3 (irr. to respiratory syst.)

Eye Dam./Irrit.: Cat. 2A

Sodium xylene sulphonate

Content (W/W):  $\geq 2.5\%$  -  $< 3\%$  Eye Dam./Irrit.: Cat. 2A

CAS Number: 1300-72-7

2-butoxyethanol

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$  Flam. Liq.: Cat. 4

CAS Number: 111-76-2 Eye Dam./Irrit.: Cat. 2A

Acute Tox.: Cat. 4 (oral)

Skin Corr./Irrit.: Cat. 2

Trisodium phosphate crystalline

Content (W/W):  $\geq 1\%$  -  $< 2\%$  Skin Corr./Irrit.: Cat. 2

CAS Number: 10101-89-0

STOT SE (Respiratory system): Cat. 3 (irr. to respiratory syst.)

Eye Dam./Irrit.: Cat. 2A

Potassium Silicate

Content (W/W):  $\geq 1\%$  -  $< 2\%$  Skin Corr./Irrit.: Cat. 2

CAS Number: 1312-76-1 Eye Dam./Irrit.: Cat. 2A

dipropylene glycol monomethylether

Content (W/W):  $\geq 1\%$  -  $< 2\%$  Flam. Liq.: Cat. 4

CAS Number: 34590-94-8

trisodium nitrilotriacetate

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$  Acute Tox.: Cat. 4 (oral)

CAS Number: 5064-31-3 Eye Irrit.: Cat. 2A

Carc.: Cat. 2

Aquatic Acute: Cat. 3

2(3H)-Benzothiazolethione

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Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$  Skin Sens.: Cat. 1  
CAS Number: 149-30-4 Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1

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## 4. First-Aid Measures

### General advice:

Keep warm, calm and covered up. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Immediate medical attention required.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

### Note to physician:

Symptoms: allergic symptoms, skin corrosion, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Hazardous decomposition products formed under fire conditions.

### Special protective equipment:

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Use personal protective clothing.

Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Ensure adequate ventilation. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

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## 7. Handling and Storage

**Handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

**Storage**

Keep away from oxidising agents, from strongly alkaline and strongly acid materials. Segregate from acids and acid forming substances.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 0 - 40 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Respiratory protection required if exposure limit (if available) may be exceeded (Gas filter EN 14387 A)

Hand protection:

Wear protective gloves of neoprene.

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Chemical resistant protective gloves (EN ISO 374-1)

Further information on penetration time is available from the manufacturer of the glove.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid

Colour: blue

Odour: mild

|   |   |                         |
|---|---|-------------------------|
| pH value:   | 12.3<br>(20 °C)<br>(undiluted)                                  |                         |
| Melting point:                                      | not determined  |                         |
| onset of boiling:                                   | > 100 °C  | (calculated)            |
| Flash point:  | > 99 °C   |                         |
| Flammability (solid/gas):                           | hardly combustible  |                         |
| Lower explosion limit:                              | not determined  |                         |
| Thermal decomposition:                              | No decomposition if stored and handled as prescribed/indicated. |                         |
| Self heating ability:                               | It is not a material capable of spontaneous heating             |                         |
| Explosion hazard:                                   | not explosive   |                         |
| Fire promoting properties:                          | not fire-propagating  |                         |
| Vapour pressure:                                    | (20 °C)<br>not determined                                       |                         |
|   | (50 °C)<br>not determined                                       |                         |
| Density:  | 1.050 g/cm <sup>3</sup><br>(20 °C)                              |                         |
| Relative vapour density (air):                      | Lighter than air.   |                         |
| Solubility in water:                                | soluble   |                         |
| Miscibility with water:                             | miscible  |                         |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable for mixtures                                     |                         |
| :   | No data available.  |                         |
| Viscosity, kinematic:                               | 6.0 mm <sup>2</sup> /s<br>(23 °C)                               |                         |
|   | (40 °C)<br>No data available.                                   |                         |
| Flow time:  | < 30 s<br>(23 °C)   | (DIN EN ISO 2431; 3 mm) |

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid direct sunlight. Avoid freezing.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

acid forming substances, Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions., acids

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Based on available data, the classification criteria are not met.

### Symptoms

allergic symptoms skin corrosion Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Experimental/calculated data:

Serious eye damage/irritation:May cause eye irritation with susceptible persons.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### Germ cell mutagenicity



Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Based on available data, the classification criteria are not met.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

No data available concerning biodegradation and elimination.

Elimination information:

No data available.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Dispose of this material and its container to hazardous or special waste collection point.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

|                              |  |
|------------------------------|--|
|                              | Not classified as a dangerous good under transport regulations |
| UN number or ID number       | Not applicable   |
| UN proper shipping name:     | Not applicable   |
| Transport hazard class(es):  | Not applicable   |
| Packing group:               | Not applicable   |
| Environmental hazards:       | Not applicable   |
| Special precautions for user | None known   |

### Sea transport

#### IMDG

|                              |  |
|------------------------------|--|
|                              | Not classified as a dangerous good under transport regulations |
| UN number or ID number:      | Not applicable   |
| UN proper shipping name:     | Not applicable   |
| Transport hazard class(es):  | Not applicable   |
| Packing group:               | Not applicable   |
| Environmental hazards:       | Not applicable   |
|                              | Marine pollutant: no   |
| Special precautions for user | None known   |

### Air transport

#### IATA/ICAO

|                              |  |
|------------------------------|--|
|                              | Not classified as a dangerous good under transport regulations |
| UN number or ID number       | Not applicable   |
| Proper shipping name:        | Not applicable   |
| Transport hazard class(es):  | Not applicable   |
| Packing group:               | Not applicable   |
| Environmental hazards:       | Not applicable   |
| Special precautions for user | None known   |

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002530

Cleaning Products (Subsidiary Hazard) Group Standard 2017

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.