

**SAFETY DATA SHEET**

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SDS Number : F-01331 (AU\_EN)

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

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**1.1 Product identifier**

Trade name : AR-455T

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

Use of the Substance/Mixture : Reprographic agents (Toner)

**1.3 Details of the supplier of the safety data sheet**

Company : SHARP Corporation of Australia Pty Ltd.  
2 Julius Avenue North Ryde NSW 2113

Telephone : 1300-13-50-22

**1.4 Emergency telephone number**

1300-13-50-22

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**SECTION 2: Hazards identification**

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**2.1 Classification of the substance or mixture****Classification (WHS REGULATION)**

Not Classified as hazardous

**2.2 Label elements****Labelling (WHS REGULATION)**

Hazard pictograms : None

Signal word : None

Hazard statements : None

Precautionary statements : None

**2.3 Other hazards**

Potential dust explosion hazard.

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**SECTION 3: Composition/information on ingredients**

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**3.2 Mixtures****Components**

Chemical Name	CAS-No.	Concentration (%)
Polyester resin	Confidential	80-90
Carbon black	1333-86-4	5-10
Iron oxide	1317-61-9	1-5
Ammonium bis(1-(3,5-dinitro-2-oxidophenylazo)-3-(Nphenylcarbamoyl)-2-naphtholato)chromate(1-)	109125-51-1	1-5
Polypropylene	Confidential	1-5

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### SECTION 4: First aid measures

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#### 4.1 Description of first aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
- If inhaled : If inhaled, remove to fresh air.  
If not breathing, give artificial respiration.  
If breathing is difficult, give oxygen.  
Get medical attention.
- In case of skin contact : Remove contaminated clothing and shoes.  
Get medical attention if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, get medical attention.  
Rinse mouth thoroughly with water.

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

- Risks : Dust contact with the eyes can lead to mechanical irritation.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically and supportively.
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### SECTION 5: Firefighting measures

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#### 5.1 Extinguishing media

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides  
Chromium compounds  
Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

- Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

5.4 Hazchem Code : None

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## SECTION 6: Accidental release measures

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

- Personal precautions : Use personal protective equipment.  
Follow safe handling advice and personal protective equipment recommendations.

### 6.2 Environmental precautions

- Environmental precautions : Discharge into the environment must be avoided.  
Prevent further leakage or spillage if it is safe to do so.  
Retain and dispose of contaminated water.  
Local authorities should be advised if significant spillages cannot be contained.

### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases.  
You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion.  
 Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
- Advice on safe handling : Do not breathe dust. Do not swallow. Avoid contact with eyes.  
 Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed.  
 Minimize dust generation and accumulation.  
 Keep away from heat and sources of ignition.  
 Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : When using do not eat, drink or smoke.  
 Wash contaminated clothing before re-use.

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

- Requirements for storage areas and containers : Keep tightly closed. Keep in a cool, well-ventilated place.  
 Be stored in accordance with the particular national regulations.
- Advice on common storage : Do not be stored together with the following product types:  
 Strong oxidizing agents  
 Organic peroxides  
 Explosives  
 Gases

#### 7.3 Specific end use(s)

- Specific use(s) : No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Carbon black	1333-86-4	TWA	3 mg/m <sup>3</sup>	HSIS

#### 8.2 Exposure controls

##### Engineering measures

- Minimize workplace exposure concentrations.  
 Apply measures to prevent dust explosions.

**Personal protective equipment**

Eye protection	:	Not required under intended use
Hand protection	:	Not required under intended use
Skin and body protection	:	Not required under intended use
Respiratory protection	:	Not required under intended use

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**SECTION 9: Physical and chemical properties**

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

Appearance	:	powder
Colour	:	black
Odour	:	odourless
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	100 - 130 °C
Initial boiling point and boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Not classified as a flammability hazard
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	Not applicable
Relative vapour density	:	Not applicable
Density	:	ca. 1.2 g/cm <sup>3</sup>
Bulk density	:	ca. 0.4 g/cm <sup>3</sup>
Solubility(ies)		
Water solubility	:	negligible
Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	Not applicable
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

**9.2 Other information**

No data available

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**SECTION 10: Stability and reactivity**

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**10.1 Reactivity**

Not classified as a reactivity hazard.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Dust can form an explosive mixture in the air.  
Can react with strong oxidizing agents.

**10.4 Conditions to avoid**

Conditions to avoid : None known.

**10.5 Incompatible materials**

Materials to avoid : Oxidizing agents

**10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

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**SECTION 11: Toxicological information**

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**11.1 Information on toxicological effects**

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Acute oral toxicity : LD50 : > 2000 mg/kg  
Acute inhalation toxicity : LC50 : > 5.0 mg/l

**Skin corrosion/irritation**

No skin irritation

**Serious eye damage/eye irritation**

No eye irritation

**Respiratory or skin sensitisation**

No sensitization

**Germ cell mutagenicity**

AMES : negative

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Aspiration toxicity

Not relevant

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## SECTION 12: Ecological information

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### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Other adverse effects

No data available

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## SECTION 13: Disposal considerations

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### 13.1 Waste treatment methods

- Product : Dispose of it in accordance with local regulations.  
Contaminated packaging : Dispose of it as an unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14: Transport information

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- 14.1 UN number : None  
14.2 UN proper shipping name : None  
14.3 Transport hazard class(es) : None  
14.4 Packing group : None  
14.5 Environmental hazards : None  
14.6 Special precautions for user : Not applicable  
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Remarks : Not applicable for product as supplied.

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**SECTION 15: Regulatory information**

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

All ingredients was listed on the Australian inventory of chemical substances

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**SECTION 16: Other information**

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**Full text of other abbreviations**

HSIS : Hazardous Substances Information System  
TWA : Long-term exposure limit (8-hour TWA reference period)

**Further information**

Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency,<http://echa.europa.eu/>

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