

## SAFETY DATA SHEET

Revision Date : 30.June 2015  
Date of first issue : 1. October 2004  
SDS Number : F-01331 (IE\_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 Electronics Europe Ltd  
4 Furzeground Way, Stockley Park, Uxbridge, Middlesex, UB11 1EZ, UK

Telephone : +49 40 2376-0

E-mail address of person : compliance@sharp.eu  
responsible for the SDS

#### 1.4 Emergency telephone number

+49 40 2376-2525 (from 9:00 to 17:00 CET/CEST, English, German Only)

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### SECTION 2: Hazards identification

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#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not Classified as hazardous

#### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

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****3.2 Mixtures****Components**

Chemical Name	CAS-No.	EC-No.	Classification (REGULATION (EC) No1272/2008)	Concentration (%)
Polyester resin	Confidential	Confidential	Not classified	80-90
Carbon black	1333-86-4	215-609-9	Not classified	5-10
Ammonium bis(1-(3,5-dinitro-2-oxidophenylazo)-3-(Nphenylcarbamoyl)-2-naphtholato)chromate(1-)	109125-51-1	400-110-2	Self-react. C; H242 Aquatic Acute 1;H400 Aquatic Chronic 2;H411	1-5

For explanation of abbreviations see section 16.

**SECTION 4: First aid measures****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.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media : Water spray  
Alcohol-resistant foam

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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 : In the event of fire, wear self-contained breathing apparatus.

for firefighters 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.

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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 safe to do so.

Retain and dispose of contaminated wash 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

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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.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

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### 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.  
Store in accordance with the particular national regulations.
- Advice on common storage : Do not store with the following product types:  
Strong oxidizing agents  
Organic peroxides  
Explosives  
Gases

### 7.3 Specific end use(s)

- Specific use(s) : No data available

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### 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	OELV - 8 hrs(TWA)	3.5 mg/m <sup>3</sup>	IE OEL
		OELV - 15 min(STEL)	7 mg/m <sup>3</sup>	IE OEL
Ammonium bis(1-(3,5-dinitro-2-oxidophenylazo)-3-(N-phenylcarbamoyl)-2-naphtholato)chrom ate(1-)	109125-51-1	OELV - 8 hrs (TWA)	2 mg/m <sup>3</sup> (chromium)	IE OEL

#### 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

### SECTION 9: Physical and chemical properties

#### 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>

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Bulk density : ca. 0.4 g/cm<sup>3</sup>  
Solubility(ies) Water solubility : negligible  
Partition coefficient: noctanol/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 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 : > 2.000 mg/kg  
Acute inhalation toxicity : LD50 : > 5,0 mg/l

#### Skin corrosion/irritation

No skin irritation

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### Serious eye damage/eye irritation

No eye irritation

### Respiratory or skin sensitization

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 Results of PBT and vPvB assessment

Not relevant

### 12.6 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 in accordance with local regulations.  
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

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Contaminated packaging : Dispose of as 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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable  
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable  
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable  
Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

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### SECTION 16: Other information

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#### Full text of H-Statements

H242 : Heating may cause a fire.  
H400 : Very toxic to aquatic life.  
H411 : Toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Aquatic Acute : Acute aquatic toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Self-react. : Self-reactive substances and mixtures  
IE OEL : Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1



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IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)  
IE OEL / OELV - 15 min(STEL) : Occupational exposure limit value (15-minute 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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