

# ADII Limited

## SAFETY DATA SHEET according to Regulation (EU) 2015/830

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### ADII 10 Second Black

Revision 1  
Revision date 2016-03-07

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

##### 1.1. Product identifier

Product name ADII 10 Second Black

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

Description Printing Ink.

##### 1.3. Details of the supplier of the safety data sheet

Company	ADII Limited
Address	Houldsworth Mill Business Centre Houldsworth Street Stockport SK5 6DA United Kingdom
E-Mail	john@acorndigital.co.uk
Telephone	+44 (0) 7590 414092

##### 1.4. Emergency telephone number


Emergency telephone No +44 (0) 7590 414092  
24hrs

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R20 R10-52/53 Symbols: Xn: Harmful.
Main hazards	Flammable. Harmful by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 3: H226; Acute Tox. 4: H332; Aquatic Chronic 3: H412;

##### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243 - Take precautionary measures against static discharge.

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## 2.2. Label elements

Precautionary Statement: Response	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Precautionary Statement: Storage	P403+P235 - Store in a well-ventilated place. Keep cool.

## 2.3. Other hazards

Other hazards	No data available.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Cyclohexanone	606-010-00-7	108-94-1	203-631-1		70 - 80%	R10 Xn; R20	
Metal Complex Black Dye 29		61901-87-9	403-720-7		1 - 10%	N; R51/53	

## EC 1272/2008

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Metal Complex Black Dye 29		61901-87-9	403-720-7		1 - 10%	Aquatic Chronic 2: H411;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Treat as for inhalation if any signs of poisoning are present.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin. Repeated exposure may cause skin dryness or cracking.
Ingestion	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.
Ingestion	Seek medical attention.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Extinguishing media. Alcohol resistant foam. Carbon dioxide (CO2). Dry powder or water fog. Water spray, fog or mist. Do NOT use water jet.
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## 5.2. Special hazards arising from the substance or mixture

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

Flammable liquid and vapour. Vapours are heavier than air. Burning produces irritating, toxic and obnoxious fumes.

**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Wear: Self-contained breathing apparatus. Protective equipment.

**Further information**

No data available.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Advise local authorities if large spills cannot be contained. Do not allow product to enter drains. Prevent further spillage if safe.

**6.3. Methods and material for containment and cleaning up**

Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

**6.4. Reference to other sections**

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

**Further information**

No data available.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. Keep away from sources of ignition - No smoking.

**7.3. Specific end use(s)**

Used in Industrial applications.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Control parameters.

**8.1.1. Exposure Limit Values**

Cyclohexanone	WEL 8-hr limit ppm:	10	WEL 8-hr limit mg/m3:	10
	WEL 15 min limit ppm:	20	WEL 15 min limit mg/m3:	82
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	inhalable dust:		inhalable dust:	
	WEL 8-hr limit mg/m3 total	-	WEL 15 min limit mg/m3 total	-
	respirable dust:		respirable dust:	

**8.2. Exposure controls**

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## 8.2. Exposure controls

	No data available.
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing. Suitable foot protection e.g. boots. Wear suitable protective clothing. Wear suitable gloves and eye/face protection.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Skin protection - Other	Wear suitable protective clothing and gloves.
Respiratory protection	Self-contained breathing apparatus.
Thermal hazards	No data available.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Black
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point	153 °C
Flash point	43 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.1 (H <sub>2</sub> O = 1 @ 20 °C)
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Slightly soluble in water

## 9.2. Other information

Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	767
Conductivity	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data available.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data available.
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## 10.4. Conditions to avoid

Heat, sparks and open flames.

## 10.5. Incompatible materials

Strong oxidising agents.

## 10.6. Hazardous decomposition products

No data available.

## Further information

No data available.

## SECTION 11: Toxicological information

## 11.1.4. Toxicological Information

Cyclohexanone	Inhalation Rat LC50/4 h: 8000 ppm Dermal Rabbit LD50: 948 mg/kg	Oral Rat LD50: 1540 mg/kg
Metal Complex Black Dye 29	Dermal Rat LD50: 2000 mg/kg Oral Mouse LD50: 2.202 mg/kg	Oral Rat LD50: 5000 mg/kg Inhalation Rat LC50/4 h: 5.9 mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

Metal Complex Black Dye 29	Daphnia EC50/48h: 1000 mg/l Fish LC50/96h: 100 mg/l	Algae IC50/72h: 100 mg/l
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## 12.2. Persistence and degradability

No data available.

## 12.3. Bioaccumulative potential

No data available.

## Partition coefficient

ADII 10 Second Black No data available

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

No data available.

## 12.6. Other adverse effects

No data available.

## Further information

No data available.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

This product and it's container must be disposed of in accordance with all local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms

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## Hazard pictograms



## 14.1. UN number

UN1210

## 14.2. UN proper shipping name

PRINTING INK

## 14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group III

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-D
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## IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

## SECTION 15: Regulatory information

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

EU Commission Regulation 2015/830/EU: Amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

## 15.2. Chemical safety assessment

This product contains substances for which Chemical Safety Assessment are still required.

## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas:. 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point). 9 - 9.1. Information on basic physical and chemical properties (Flash point).
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## Other information

Text of risk phrases in Section 3	9 - 9.1. Information on basic physical and chemical properties (Relative density).
	9 - 9.1. Information on basic physical and chemical properties (Colour).
	9 - 9.1. Information on basic physical and chemical properties (Solubility).
Text of Hazard Statements in Section 3	R10 - Flammable R20 - Harmful by inhalation. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Maximum content of VOC	767.

## Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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