

## Armour

ACCORDING TO UK-REGULATIONS

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name	Armour
Trade Name	AF Armour
CAS No.	Not applicable.
Registration number(s)	Not known.

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

Identified Use(s)	Fertiliser
Uses Advised Against	Not known.

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

Manufacturer	
Company Identification	AIVA LTD (Aiva Fertiliser)
Address of Manufacturer	Old Farm Offices Manor Farm, Ginge, Oxfordshire, United Kingdom OX12 8QS
Postal code	OX12 8QS
Telephone:	01234 834 997
Fax	Not known.
E-mail	office@aivafertiliser.co.uk
Office hours	Office hours: Monday - Friday 0830 - 1700

Supplier	
Company Identification	AIVA LTD (Aiva Fertiliser)
Address of Supplier	Old Farm Offices Manor Farm, Ginge, Oxfordshire, United Kingdom OX12 8QS
Postal code	OX12 8QS
Telephone:	01234 834 997
Fax	Not known.
E-mail	office@aivafertiliser.co.uk
Office hours	Office hours: Monday - Friday 0830 - 1700

#### 1.4 Emergency telephone number

Emergency Phone No.	01235834997
Contact	Call 111

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

United Kingdom Regulations	Not classified as dangerous for supply/use.
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#### 2.2 Label elements

Product Name	According to UK-regulations Armour
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	P101: If medical advice is needed, have product container or label at hand. P103: Read label before use. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P340: Remove person to fresh air and keep comfortable for breathing. P501: Dispose of contents in accordance with local, state or national legislation.

#### 2.3 Other hazards

None known.

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### 2.4 Additional Information

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
salicylic acid	69-72-7	200-712-3	<5	Acute Tox. 4 H302 Eye Dam. 1 H318 Repr. 2 H361d	GHS05 GHS08 GHS07
potassium hydroxide	1310-58-3	215-181-3	<5	Acute Tox. 4 H302 Skin Corr. 1A H314	GHS05 GHS07
citric acid	77-92-9	201-069-1	<2	Eye Irrit. 2 H319	GHS07

For full text of H/P Statements see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

**Inhalation** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact** Wash skin with water.

**Eye Contact** Flush eyes with water for at least 15 minutes.

**Ingestion** Wash out mouth with water.

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

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

None anticipated. Heating may cause decomposition.

### 5.3 Advice for firefighters

As appropriate for surrounding fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

### 6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

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

Adsorb spillages onto sand, earth or any suitable adsorbent material.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. When using do not eat, drink or smoke. Wash hands thoroughly after handling.

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

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Storage temperature                      Ambient. Protect from frost.  
 Storage life                                    Stable under normal conditions. Protect from sunlight.  
 Incompatible materials                      None known.

### 7.3 Specific end use(s)

Fertiliser

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Potassium hydroxide	1310-58-3				2	

Region                      Source  
 United Kingdom        UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark                      Notes

### 8.2 Exposure controls

8.2.1. Appropriate engineering controls    Ensure adequate ventilation.

#### 8.2.2. Personal protection equipment



Eye Protection                      Wear eye protection with side protection (EN166).



Skin protection                      Not normally required.



Respiratory protection            Normally no personal respiratory protection is necessary.



Thermal hazards                      None known.

8.2.3. Environmental Exposure Controls    Do not release large quantities into the surface water or into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance                                  Liquid.  
     Colour : Brown  
 Odour    Not known.  
 Odour threshold                              Not known.  
 pH    < 5.  
 Melting point/freezing point              Not known.  
 Initial boiling point and boiling range    Not known.  
 Flash Point                                    Not known.  
 Evaporation rate                              Not known.  
 Flammability (solid, gas)                    Not known.  
 Upper/lower flammability or explosive limits    Not known.  
 Vapour pressure                                Not known.  
 Vapour density                                Not known.  
 Density (g/ml)                                1.1g/cm<sup>3</sup>  
 Relative density                                Not known.  
 Solubility(ies)                                Solubility (Water) : Not known.  
     Solubility (Other) : Not known.  
 Partition coefficient: n-octanol/water      Not known.  
 Auto-ignition temperature                    Not known.  
 Decomposition Temperature (°C)            Not known.

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Viscosity Not known.  
Explosive properties Not known.  
Oxidising properties Not known.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

None anticipated.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity - Ingestion Low acute toxicity  
Acute toxicity - Skin Contact Low acute toxicity  
Acute toxicity - Inhalation Low acute toxicity  
Skin corrosion/irritation Non-irritant  
Serious eye damage/irritation Non-irritant  
Skin sensitization data Not classified  
Respiratory sensitization data Not classified  
Germ cell mutagenicity There is no evidence of mutagenic potential.  
Carcinogenicity No evidence of carcinogenicity.  
Reproductive toxicity Not classified  
Lactation Not classified  
STOT - single exposure Not classified  
STOT - repeated exposure Not classified  
Aspiration hazard Not classified

**11.2 Other information**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.  
Toxicity - Fish Low toxicity to fish.  
Toxicity - Algae Low toxicity to algae.  
Toxicity - Sediment Compartment Not classified.  
Toxicity - Terrestrial Compartment Not classified.

**12.2 Persistence and degradability**

Not known.

**12.3 Bioaccumulative potential**

Not known.

**12.4 Mobility in soil**

Not known.

**12.5 Results of PBT and vPvB assessment**

Not known.

**12.6 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose at suitable refuse site.

**13.2 Additional Information**

No special precautions are required for this product.

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### SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

<b>14.1 UN number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not classified as a Marine Pollutant.
<b>14.6 Special precautions for user</b>	Not known
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not known

### SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations Not known.

#### National regulations

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation

Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants

Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer

Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals

Not listed

Not listed

#### 15.2 Chemical Safety Assessment

United Kingdom A REACH chemical safety assessment has not been carried out.

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

#### LEGEND

Hazard Pictogram(s)	None.  GHS05: GHS: Corrosion GHS07: GHS: Exclamation mark GHS08: GHS: Health hazard
Hazard classification	Acute Tox. 4 : Acute toxicity, Category 4 Skin Corr. 1A : Skin corrosion/irritation, Category 1A Eye Dam. 1 : Serious eye damage/irritation, Category 1 Eye Irrit. 2 : Serious eye damage/irritation, Category 2 Repr. 2 : Reproductive toxicity, Category 2
Hazard Statement(s)	H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.

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H319: Causes serious eye irritation.  
H361d: Suspected of damaging the unborn child.

## Precautionary Statement(s)

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P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P340: Remove person to fresh air and keep comfortable for breathing.  
P501: Dispose of contents in accordance with local, state or national legislation.

## Acronyms

ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for United Kingdom Regulations  
data used to compile the SDS  
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