

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

PRODUCT NAME: Anchor Resin 1554 & 1574 Hardener

SUPPLIER: Redwood UK Ltd  
18 Arnside Road  
Waterlooville  
HAMPSHIRE  
PO7 7UP

TEL: 023 9223 3310  
FAX: 023 9223 3320  
EMAIL: sales@redwood-uk.com

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL FAMILY: Aqueous solution of ammonium chloride and urea.

COMPONENT	CAS NUMBER	CONCENTRATION RANGES	EEC SYMBOL/ RISK PHRASES
Ammonium Chloride	12125-02-9	1-10%	Einecs : 235-186-4 (Xn) R22 ; (Xi) R36

**3 HAZARDS IDENTIFICATION**

MAIN HAZARDS: No significant hazard.

OTHER HAZARDS: May cause irritation to eyes and skin.  
Small amount of ammonium are evolved which may irritate the respiratory system.

EYE: There may be irritation and redness.

SKIN CONTACT: Wash with soap and water. There may be mild irritation at the site of contact.

INHALATION: No symptoms.

INGESTION: There may be irritation of the throat.

**4 FIRST AID MEASURES**

EYE: Bathe the eye with running water for 15 minutes. Consult a doctor.

SKIN: Wash immediately with plenty of soap and water.

INHALATION: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

INGESTION: Wash out mouth with water. Consult a doctor.

#### 5 FIRE FIGHTING MEASURES

AUTOFLAMMABILITY:	Not applicable.
FLASH POINT:	Not applicable.
EXTINGUISHING MEDIA:	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
EXPLOSURE HAZARDS:	In combustion emits toxic fumes.
PROTECTION OF FIRE-FIGHTERS:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6 ACCIDENTAL RELEASE MEASURE

PERSONAL PRECAUTIONS DURING SPILL:	Refer to section 8 of SDS for personal protection details. Turn leaking containers leak side up to prevent the escape of liquid.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Do not discharge into drains or rivers. Contain the spillage using bonding.
SPILL CLEANUP METHODS:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

For safety and environmental precautions, please review the entire safety datasheet for the necessary information.

#### 7 HANDLING AND STORAGE

STORAGE CONDITIONS:	Store in a cool, well ventilated area. Keep container tightly closed.
SHELF LIFE:	12 months
SPECIAL SENSITIVITY:	No special sensitivity.
HANDLING/STORAGE:	Ensure there is sufficient ventilation of the area.

**8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**



**COMPONENT**

Ammonium Chloride

**EXPOSURE LIMITS**

10mg/m<sup>3</sup> WEL (8h TWA)  
20mg/m<sup>3</sup> WEL (15 mins STEL)

**VENTILATION REQUIREMENTS**

Ensure there is sufficient ventilation in the area.

**EYE PROTECTION REQUIREMENTS**

Safety goggles. Ensure eye bath is to hand.

**GLOVE REQUIREMENTS**

Protective gloves.

**CLOTHING REQUIREMENTS**

Protective clothing.

**RESPIRATORY REQUIREMENTS**

Suitable respiratory protection should be worn where the occupational exposure limit is exceeded Gas/vapour filter, type K: ammonia and derivatives (EN141).

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL FORM:**

Liquid

**APPEARANCE/ODOUR:**

Colourless, Ammonia

**ODOUR THRESHOLD:**

Not available

**SOLUBILITY IN WATER:**

Miscible

**FLASH POINT:**

>65

**10 STABILITY AND REACTIVITY**

**STABILITY:**

Stable under normal conditions.

**CONDITIONS TO AVOID:**

Heat.

**MATERIALS TO AVOID:**

Contact with amino formaldehyde resin will form hydrogen chloride (hydrochloric acid) which may, under certain conditions, lead to the formation of toxic and carcinogenic bis-chloromethyl ether (bis-CME). Contact with alkalis will liberate ammonia.

**HAZARDOUS DECOMPOSITION PRODUCTS:** In combustion emits toxic fumes, thermal decomposition products may include ammonia, ammonium chloride and hydrogen chloride

**11 TOXICOLOGICAL INFORMATION**

HAZARDOUS INGREDIENTS:	Ammonium Chloride ORL MUS LD50 1300mg/kg ORL RAT LD50 550mg/kg SCU MUS LDLO 500mg/kg
ROUTE OF ENTRY:	Refer to section 3 of SDS for routes of entry and corresponding symptoms.
TARGET ORGANS:	None known.
SPECIAL HEALTH EFFECTS:	None known.

**12 ECOLOGICAL INFORMATION**

POTENTIAL EFFECT ON ENVIRONMENT:	Harmful to aquatic organisms.
MOBILITY:	Readily absorbed into soil.
PERSISTENCE AND DEGRADABILITY:	Not tested but the product is expected to be substantially biodegradable in water.
POTENTIAL TO BIOACCUMULATE:	No data available.

**13 DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
EMPTY CONTAINER WARNINGS:	Not needed.

**14 TRANSPORT INFORMATION**

ADR/RID:	Not classified.
IMDG CLASSIFICATION:	Not classified.
IATA/ICAO CLASSIFICATION:	Not classified.

**15 REGULATORY INFORMATION**

SAFETY PHRASES:	No significant hazard.
GUIDANCE NOTES:	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 OTHER INFORMATION



INFORMATION CONTACT:

Redwood UK Ltd  
18 Arnside Road  
Waterlooville  
HAMPSHIRE  
PO7 7UP

Telephone:

+44 (0)23 9223 3310

Fax:

+44 (0)23 9223 3320

Email:

sales@redwood-uk.com

R-PHRASES (Full Text):

R22: Harmful if swallowed.

R36: Irritating to eyes.

LEGAL DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.