

MATERIAL SAFETY DATA SHEET
Quick Set Epoxy Adhesive
CP0176A v4.1 RS 850-940, 850-956, 206-8317
RS CHIP3 MSDS Date 01/01/07

This safety data sheet has been prepared in accordance with the requirements of EC Directives 1999/45/EC and 2001/58/EC and provides information relating to the safe handling and use of the product.

1. PRODUCT AND COMPANY INFORMATION

Product Code	RS 406-9592, 406-9609, 850-934
Trade Name	Quick Set Epoxy Adhesive - Resin
Manufacturer/Supplier	RS Components Ltd,
Address	Birchington Road, Corby, Northants, NN17 9RS.
Phone Number	+44 (0) 1536 402888
Fax Number	+44 (0) 1536 401588

2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Epoxy resin.

Hazardous Components in Product for EC

Component Name	CAS / EINEC	Concentration	R Phrases	Classification
Epoxy resin	25068-38-6	60.00 - 100.00	R36/38, R43, R51/53	Xi, N

3. HAZARD IDENTIFICATION

Irritating to eyes and skin. May cause sensitisation by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

First Aid - Inhalation

Remove affected person to fresh air, and if still feeling unwell seek medical attention.

First Aid - Skin

Wash with plenty of soap and water. If irritation persists, seek medical advice.

First Aid - Eyes

Flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

First Aid - Ingestion

Rinse mouth with water then give plenty of water to drink. Do not induce vomiting. Seek medical advice.

5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 100°C (CC)).
If product is involved in fire extinguish with dry powder, foam or carbon dioxide.
Toxic fumes such as oxides of carbon may be released on incineration and these should not be inhaled.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area.
Absorb spillage onto inert absorbent material and place in a closed container, which should be partially filled (air space), for disposal.
Wash spillage site thoroughly with soap and water or detergent solution.
Try to prevent the material from entering drains or water courses.

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7. HANDLING AND STORAGE

Handling

Use in a well ventilated area. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

Storage

Storage temperature range 1°C to 25°C.
Keep in a cool, well-ventilated area.
Store in original containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous liquid.
Colour	Clear
Odour	Mild. Characteristic.
pH	N/A
Boiling Range/Point (°C)	> 200
Flash Point (CC) (°C)	> 200
Specific Gravity	1.18.
Solubility in Water (kg/m³)	Insoluble.
Solubility in Acetone	Partially soluble
Vapour Pressure (mmHg @25°C)	Less than 5 at 20 °C.
Explosion Limits (%)	N/A

10. STABILITY AND REACTIVITY

The product is relatively stable under normal conditions of use.
Reacts vigorously with: oxidising agents. strong acids, strong bases.

11. TOXICOLOGICAL INFORMATION

Inhalation

Due to the low volatility of the product there are no hazards associated with inhalation under normal conditions of use.

Skin

It is irritating and sensitising to the skin.

Eyes

This product is an irritant to the eyes.

Ingestion

This product is considered to be of low toxicity having an acute oral LD50 (rat) >2000mg/kg by analogy to other similar products.

12. ECOLOGICAL INFORMATION

Keep away from drains and open waters.

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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations. Incinerate or bury in legal landfill.

14. TRANSPORT INFORMATION

UN Number	3082
Air (IATA)	Environmentally hazardous substance, liquid, n.o.s., Class 9, Packaging Grp III
Sea (IMO)	Environmentally hazardous substance, liquid, n.o.s., Class 9, Pkg Grp III EmS F-A, S-F .
Road (ADR)/Rail (RID)	Environmentally hazardous substance, liquid, n.o.s., Class 9, Pkg Grp III Classification code: M6

15. REGULATORY INFORMATION

Contains Contains epoxy constituents. See information supplied by the manufacturer.

Labelling Information



Irritant



Dangerous for the Environment

R phrases

R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of soap and water. S37 Wear suitable gloves.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Voluntary Labelling

N/A

16. OTHER INFORMATION

MSDS data revised 21 May 2003

Hazardous Components in Product for EC

Component Name

Epoxy resin

R36/38
R43
R51/53

R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R Phrases

R36/38, R43,
R51/53

This safety data sheet was prepared in accordance with Commission Directive 2001/59/EC adapting to technical progress for the 28th time Council Directive 67/548/EEC and Commission Directive 1999/45/EC.

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1. PRODUCT AND COMPANY INFORMATION

Product Code	RS 406-9592, 406-9609, 850-934
Trade Name	Quick Set Epoxy Adhesive - Hardener
Manufacturer/Supplier	RS Components Ltd,
Address	Birchington Road, Corby, Northants, NN17 9RS.
Phone Number	+44 (0) 1536 402888
Fax Number	+44 (0) 1536 401588

2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Epoxy resin.

Hazardous Components in Product for EC

Component Name	CAS / EINEC	Concentration	R Phrases	Classification
2,4,6-Tris (Dimethylaminomethyl) phenol	90-72-2	202-013- 15.00 - 30.00	R22, R36/38	Xn, Xi
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3. HAZARD IDENTIFICATION

Irritating to eyes and skin.

4. FIRST AID MEASURES

First Aid - Inhalation

Remove affected person to fresh air, and if still feeling unwell seek medical attention.

First Aid - Skin

Wash with plenty of soap and water. If irritation persists, seek medical advice.

First Aid - Eyes

Flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

First Aid - Ingestion

Rinse mouth with water then give plenty of water to drink. Do not induce vomiting. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 100°C (CC)).

If product is involved in fire extinguish with dry powder, foam or carbon dioxide. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spillage, and absorb onto an inert absorbent such as sand or multisorb and place in a sealed container for supervised disposal. For small spills wipe up with paper towel and place in container for disposal. Wash spillage site thoroughly with soap and water or detergent solution. Try to prevent the material from entering drains or water courses.

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7. HANDLING AND STORAGE

Handling

Good industrial hygiene practices should be observed.
Use in a well ventilated area. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended. Safety glasses should be worn.

Storage

Storage area should be cool, dry, well ventilated and out of direct sunlight. Store in original containers at 8°C-21°C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Good industrial hygiene practices should be observed.
Use in well ventilated area. In circumstances where there is a potential for prolonged or repeated skin contact, the use of rubber gloves is recommended. Safety glasses should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Amber.
Odour	Ammonia-like
pH	Alkaline
Boiling Range/Point (°C)	No data.
Flash Point (CC) (°C)	> 100
Specific Gravity	1.13.
Solubility in Water (kg/m³)	Partially soluble.
Solubility in Acetone	No data.
Vapour Pressure (mmHg @25°C)	No data.
Explosion Limits (%)	Not applicable.

10. STABILITY AND REACTIVITY

The product is relatively stable under normal conditions of use.
Avoid contact with strong acids, strong bases, strong oxidising agents and strong reducing agents.

11. TOXICOLOGICAL INFORMATION

Inhalation

Exposure to vapour at high concentrations may cause irritation of nose, throat and respiratory tract, coughing, and difficulty with breathing.

Skin

This product is classified as a skin irritant.

Eyes

This product is an irritant to the eyes.

Ingestion

This product is considered to be of low toxicity having an acute oral LD50 (rat) >2000mg/kg by analogy to other similar products.

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12. ECOLOGICAL INFORMATION

Keep away from drains and open waters.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations. Incinerate or bury in legal landfill.

14. TRANSPORT INFORMATION

UN Number	None
Air (IATA)	Not classified.
Sea (IMO)	Not classified.
Road (ADR)/Rail (RID)	Not classified.

15. REGULATORY INFORMATION

Contains	N/A
Labelling Information	 Irritant

R phrases

R36/38 Irritating to eyes and skin.

S phrases

S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of soap and water.

Voluntary Labelling

N/A

16. OTHER INFORMATION

Hazardous Components in Product for EC

Component Name

2,4,6-Tris (Dimethylaminomethyl) phenol
R22
R36/38

R22 Harmful if swallowed.
R36/38 Irritating to eyes and skin.

R Phrases

R22, R36/38

This safety data sheet was prepared in accordance with Commission Directive 2001/59/EC adapting to technical progress for the 28th time Council Directive 67/548/EEC and Commission Directive 1999/45/EC.