

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	PP-00310
Trade Name	Glass Fiber Kit (UK Only) PP-310/311
Manufacturer/Supplier	Henkel Loctite Adhesives Ltd.
Address	Watchmead, Welwyn Garden City, Herts., AL71JB. UK
Phone Number	01 707 358800
Fax Number	01 707 358900
Emergency Phone Number	+353-1-4599301/+353-87-2629625/+353-1-4046444

2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Glass fibre repair kit.
Mixture of Unsaturated Polyester Resin and Inorganic Fillers

Hazardous Components in Product for EC

Component Name	CAS / EINECS	Concentration	R Phrases	Classification
Styrene Monomer	100-42-5	20.00 - 40.00	R10, R20, R36/38	

3. HAZARD IDENTIFICATION

Flammable.
Harmful by inhalation.
Irritating to eyes, respiratory system 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 skin with plenty of soap and water.

First Aid - Eyes

Flush eyes immediately with plenty of water for at least 15 minutes.

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

No unusual fire hazards.
If product is involved in fire extinguish with dry powder, foam or carbon dioxide.
Thermal decomposition would produce a complex variety of chemical species, some of which could be irritating and/or harmful if inhaled in significant volumes.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area.
Eliminate sources of ignition.
For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.
Wash spillage site thoroughly with soap and water or detergent solution.

7. HANDLING AND STORAGE

Handling

Use in well ventilated area.
Avoid inhaling vapour.
Adequate ventilation is recommended to remove traces of odour.
Avoid sources of ignition - no smoking.
Avoid contact with skin and eyes.

Storage

Storage temperature range 1°C to 25°C.
Store away from heat in a cool, well-ventilated area.
Store away from direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits**Styrene Monomer**

SE: NGV 20ppm 8h TWA.
ACGIH: TLV 50ppm (213mg/m³) 8h TWA.
ACGIH: STEL 100ppm (426mg/m³) 15min TWA.

Good industrial hygiene practices should be observed.
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	Paste.
Colour	Grey.
Odour	Characteristic.
pH	N/A
Boiling Range/Point (°C)	> 150
Flash Point (CC) (°C)	32
Specific Gravity	1.12.
Solubility in Water (kg/m³)	Insoluble.
Solubility in Acetone	Insoluble
Vapour Pressure (mmHg @25°C)	<10
Explosion Limits (%)	N/A

10. STABILITY AND REACTIVITY

The product is relatively stable under normal conditions of use.
Extreme heat or exposure to flame should be avoided.

11. TOXICOLOGICAL INFORMATION

Inhalation

This product is harmful by inhalation.
Inhalation of vapours may cause headaches or dizziness.
May cause irritation to respiratory system and mucous membranes if used in confined spaces.

Skin

This product is classified as a skin irritant.
Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

Eyes

This product is an irritant to the eyes.
Vapours may be irritating to eyes causing lachrymatory effect.

Ingestion

This product is considered to be of low toxicity.
May irritate the digestive tract. Ingestion of large quantities may cause damage to liver or kidneys.

12. ECOLOGICAL INFORMATION

Keep away from drains and open waters.
Biodegradable product of low ecotoxicity.
Biological and Chemical Oxygen Demands (BOD and COD) of cured Loctite products are insignificant.
In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.


13. DISPOSAL CONSIDERATIONS

After use, tubes, cartons and bottles containing residual product should be disposed of as "chemically contaminated waste" in an authorised legal land fill site or incinerated.
Dispose of in accordance with local and national regulations.
Incineration under controlled conditions recommended.
Contribution of this product to waste is very insignificant in comparison to article in which it is used. Regulations governing disposal of individual articles apply.

14. TRANSPORT INFORMATION

UN Number	3269
Air (IATA)	Polyester Resin kit, flammable liquid, Class 3, Pkg. Grp. III.
Sea (IMO)	Polyester Resin kit, flammable liquid, Class 3.3, Pkg. Grp. III.
Road (ADR)/Rail (RID)	Polyester Resin kit, flammable liquid, Class 3, Item No. 5° (c).

15. REGULATORY INFORMATION

Contains	Styrene Monomer		
Labelling Information		Harmful	None
R phrases	R10 Flammable. R20 Harmful by inhalation. R36/38 Irritating to eyes and skin.		

15. REGULATORY INFORMATION

S phrases

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
S16 Keep away from sources of ignition - No Smoking.
N/A

Voluntary Labelling**16. OTHER INFORMATION**

MSDS data revised

29 September 1999

Hazardous Components in Product for EC**Component Name**

Styrene Monomer

R10

R20

R36/38

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

R Phrases

R10, R20, R36/38

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