

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-00002
Trade Name	PP Chemical Metal (PP-1/2/3/4,8 & 9)
Manufacturer/Supplier	Loctite Sweden AB
Address	Box 8823, 40271 Göteborg, Sweden
Phone Number	46-31-7505400
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Emergency Phone Number	+353-1-4599301/+353-87-2629625/+353-1-4046444

2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature General purpose sealant
Mixture of Unsaturated Polyester Resin and Inorganic Fillers

Hazardous Components in Product for EC

Component Name	CAS / EINEC	Concentration	R Phrases	Classification
Styrene Monomer	100-42-5 202-851-5	5.00 - 20.00	R10, R20, R36/38	Xn

3. HAZARD IDENTIFICATION

Flammable. Harmful by inhalation. Irritating to eyes and skin.
Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

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

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.

6. ACCIDENTAL RELEASE MEASURES

Wash spillage site thoroughly with soap and water or detergent solution.

7. HANDLING AND STORAGE

Handling

Use in well ventilated area. Avoid inhaling vapour. Avoid contact with skin and eyes.
Avoid sources of ignition - no smoking.

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

ACGIH: TLV 50ppm (213mg/m³) 8h TWA.
ACGIH: STEL 100ppm (426mg/m³) 15min TWA.
Finland: 50ppm (215mg/m³) 8h TWA.
FR: VME 50ppm 215mg/m³ 8h TWA.
FRG: MAK 20ppm (85mg/m³) 8h TWA.
HSA (2002).C.O.P.: OEL 20 ppm,(85 mg/m³) 8h TWA
HSA (2002).C.O.P.: OEL 40 ppm,(170 mg/m³) 15 min
exposure limit. NE: MAC-TGG 25ppm (107mg/m³) 8h
TWA.
NO: Adm. norm 25ppm (107mg/m³).
SE: NGV 20ppm (90mg/m³) 8h TWA.
SE: KTV 50ppm (200mg/m³) 15min.
UK EH40: OES 25ppm (107mg/m³) 8h TWA.
UK EH40: OES 25ppm (107mg/m³) 15 min TWA
DK: TLV 25ppm ceiling value.

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)	100
Flash Point (CC) (°C)	32
Specific Gravity	1.8 at 20 °C.
Solubility in Water (kg/m ³)	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

10. STABILITY AND REACTIVITY

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.


13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN Number	3269
Air (IATA)	Polyester Resin kit, flammable liquid, Class 3, Pkg. Grp. III.
Sea (IMO)	Polyester Resin kit n.o.s. Class 3, Pkg. Grp III. EmS F-E, S-D .
Road (ADR)/Rail (RID)	Polyester Resin kit, Class 3, label No. 3.

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.
S phrases	S2 Keep out of the reach of children. S16 Keep away from sources of ignition - No Smoking. S23 Do not breathe vapour. 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

MSDS data revised

22 April 2003

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

Supersedes Safety Data Sheet No: PP 00002 dated 19/11/2002.

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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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