

This safety data sheet has been prepared in accordance with the requirements of EC Directive 88/379/EEC and 91/155/EEC (and other related directives) 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
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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	Concentration	R Phrases	Classification
Styrene Monomer	5.00 - 20.00	R10, R20, R36/38	

3. HAZARD IDENTIFICATION

Flammable.
Harmful by inhalation.
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 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.

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.
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

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/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

11. TOXICOLOGICAL INFORMATION

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.

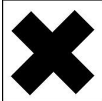
Contribution of this product to waste is very insignificant in comparison to article in which it is used.

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 n.o.s. CClass 3.3, Pkg. Grp III.
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. 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. S16 Keep away from sources of ignition - No Smoking.	
Voluntary Labelling	N/A	

16. OTHER INFORMATION

MSDS first issued	13 November 1995
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Fax: +353-1-4510806. Attention of users is drawn to the possible hazards from improper use of the product(s).

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither Loctite nor its subsidiary companies accept any liability arising out of the use of the information provided here or the use, application or processing of the product(s) described herein.

Supersedes Safety Data Sheet No: PP 00002 dated 30/10/97
