

# Documentation

## ***Loxeal Aktivator*** **- Typ PRIMER 7, AKTIVATOR 9 -**



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## Typ PRIMER 7

### 2. Description

Solvent based treatment which allows bonding of polyolefin (polyethylene, polypropylene), thermoplastic rubbers, EPDM, PTFE, silicones and other difficult to bond materials.  
Polyolefin Primer is recommended for use with Loxeal 34 Instant Adhesive.

### 3. Directions

Apply a thin coat of Polyolefin Primer to the surfaces to be bonded by brush and let to dry some seconds.  
Apply Instant Adhesive and press together.  
Handling strength is obtained within few seconds.  
Best results are obtained if substrates are bonded within one hour of Primer application.  
Polyolefin Primer should be reapplied after eight hours.  
Polyolefin Primer is fluorescent under blue lamp.  
Do not use on materials which are normally bondable without Primer.  
Always seal the bottle of Polyolefin Primer immediately after use.

### 4. Physical and chemical properties

**Composition:** aliphatic amine in organic solvent  
**Colour:** colourless, fluorescent under blue light  
**Viscosity (20°C - mPa.s):** 1-2  
**Specific weight (20°C - g/ml):** 0,74  
**Flash point (ISO 2592):** 0°C  
**Vapour pressure 25°C:** 50 mbar  
**Toxicity:** TLV 270 ppm  
**Shel life:** 1 year

### 5. Handling and safety precautions

Labelling as EEC regulations in force.  
Hazard symbol: F=Flammable.  
Use only in well ventilated area. Keep away from sources of ignition.

### 6. Packing

25 ml bottle

### 7. Product identification

Trade name: LOXEAL PRIMER - ACTIVATOR 7  
Technical name: Polyolefin primer for cyanoacrylate adhesives  
Chemical name: aliphatic solvent mixture

### 8. Composition/Information on ingredients

Hazardous ingredient	CAS. Nr.	%	Classification
Aliphatic hydrocarbons	142-82-5	>80	F, Xn, N, R11, R38, R50/53, R65, R67

### 9. Hazards identification

Highly flammable. Irritating to skin. Harmful if swallowed, may enter the lungs and cause lungs damage. Inhalation of vapours may cause drowsiness and dizziness. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

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## 10. First Aid procedures

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Product on skin: immediately wash with water and soap. Remove contaminated clothing and wash before re-use. Consult a doctor if skin irritation persists.

Product on eyes: immediately flush the eye with plenty of water for at least 15 minutes, holding eye open. Obtain medical attention urgently.

Product ingested: wash out mouth with water and give cold water or milk. Do not induce vomiting. Obtain medical attention. Show the container or its label.

Product inhaled: expose to fresh air, in case of symptoms consult doctor.

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## 11. Fire fighting measures

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Extinguishing media: foam, dry chemical, carbon dioxide, sand, water spray jet.

Fire fighting procedures: wear self-contained breathing apparatus.

Explosion and firing hazard: keep containers cool with water spray, vapours forms explosive mixture in air.

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## 12. Accidental spillage

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Ensure adequate ventilation, keep away sources of ignition. Prevents from entering into drains Adsorb spills using earth or sand, let evaporate in well ventilated area, collect for disposal according to regulation.

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## 13. Handling and storage

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Handling: avoid vapours inhalation and contact with skin and eyes, ensure good ventilation of the work place. No smoking.

Storage precautions: store in well ventilated place away from flames and heat sources. Keep container closed when not in use

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## 14. Exposure control/personal protection

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Use in well ventilated area, above TLV (400 ppm/8h) use NIOSH/MESSA approved respirator, wear protective gloves in PE, PVC or Nitrile and safety glasses.

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## 15. Physical and chemical data

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**Appearance:** colorless thin liquid  
**Odour:** characteristic  
**Boiling range:** 90°C-110°C  
**Flash point (COC/DIN/ISO 2592):** -1°C  
**Explosion limits:** LEL 1% - UEL 7% volume  
**Auto ignition temperature:** 320°C  
**Vapour pressure (20°C) DIN 51616:** 35 mbar  
**Viscosity (Brookfield) (20°C):** c.a. 1 mPA.s  
**Water solubility (20°C):** n.a.  
**pH:** n.a.  
**Density (20°C) DIN 51757:** 0,70 g/ml

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## 16. Stability and reactivity

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Product is stable at normal conditions storage and use.  
Conditions to avoid: heating and exposure to flames.  
Materials to avoid: strong oxidising agents, bases and acids.  
Hazardous decomposition products: burning produces carbon oxides.

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## 17. Health hazard information

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Toxicity by inhalation: TLV-TWA 400 ppm/8h., may cause drowsiness or dizziness.  
Ingestion: Harmful may cause lung damage if swallowed. Acute oral LD50 (rat) > 2.000 mg/kg by analogy to other similar products.  
Skin: may cause irritation, for prolonged contact remove oils from the skin making it susceptible to attack from other chemicals.  
Eyes: may cause irritation.  
Sensitisation: not known

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All details are standard values without obligation! We do not assume del credere liability for not confirmed written data choice. Pressure details, if not stated differently, refer to liquids of group II at +20°C.

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## 18. Environmental data

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Do not convey in water discharges. Very toxic to aquatic organisms. Product does not contain ozone depleting substances.

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## 19. Disposal considerations

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In accordance with local regulations.

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## 20. Transport information

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Way	Class	
Road - Rail	ADR	UN n. 1206, class 3.3 <sup>b</sup>
Sea	IMO/IMDG	UN n. 1206, class 3.2
Air	ICAO/IATA	UN n. 1206, class 3, II

Label: flammable gas

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## 21. Labelling information

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Labelling as EC regulations in force:

Hazard symbol F=Highly Flammable, Xn=harmful, N=dangerous for the environment

Risk and safety phrases:

R11	Highly flammable
R38	Irritating to skin
R65	Harmful may cause lung damage if swallowed
R50/53	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness
S16	Keep away from sources of ignition - No smoking
S29	Do not empty into drains.
S33	Take precautionary measures against static discharges.
S60	This material and its container must be disposed as hazardous waste.
S62	In case of ingestion do not induce vomiting, seek medical advice immediately and show the container or its label

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## 22. Additional information

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The information contained herein is based on our present state of knowledge and experience and according to EC Regulations and others: 91/155(2001/58), 67/548(2001/58), 1999/45(2001/60), 91/689(2001/118), 89/542, ADR 23.07.01, IMDG-Code 30<sup>o</sup> amd., IATA-DRG 2002.

## TYP AKTIVATOR 9

### 23. Technische Daten

Produkt:	Aktivator für Cyanacrylatverklebungen
Viskosität in Pa. S. bei 25°C (Brookfield):	1-2
Farbe:	transparent
Flammpunkt:	0°C
Dampfdruck 25°C:	50 mbar
Haltbarkeit:	1 Jahr
Beschreibung:	Beschleuniger für eine sofortige Aushärtung von Cyanacrylatklebstoffen auf porösen Oberflächen und Säure-Oberflächen. Verhindert Ausblühen. Wird als Primer oder als Nachhärter nach der Montage verwendet, dient zur Aushärtung aller offenliegenden Klebestellen.

### 24. Description

Cleans, degreases parts and speeds up the setting time of cyanoacrylate adhesives. Curing effect is obtained in 1-4 seconds depending from type of adhesive, gap between parts and surfaces composition. The Activator is applied on one surface and let to dry a few seconds.

### 25. Physical properties

**Composition:** organic chemicals in solvent composition  
**Appearance:** colourless  
**Viscosity (25°C-mPa.s):** 1-2 mPa.s  
**Specific weight at 25°C (g/ml):** 0,8  
**Flash point:** 0°C  
**Vapour pressure 25°C:** 50 mbar  
**Toxicity:** TLV 270 ppm  
**Activation effect on surface:** 24 hours  
**Shelf life:** 1 year

### 26. Handling and safety properties

Labelling as EC regulations in force: F=flammable.  
Consult the Material Safety Data Sheet.

### 27. Packing

Spray: 150 ml

### 28. Product identification

Trade name: LOXEAL AKTIVATOR 9 grade A SPRAY  
 Technical name: Activator for cyanoacrylate adhesives in aerosol formulation  
 Chemical name: organic chemicals in solvent mixture

### 29. Composition/Information on ingredients

Hazardous ingredient	CAS. Nr.	% Max	Classification
Propane butane propellant	74-98-6/106-97-8	40	F+, R12
Propan-2-olo	67-63-0	60	F, Xi, R11, R36, R67
Ethanol	64-17-5	30	F, R11
Organic amine	99-97-8	1	T, R23/24/25, R33

## 30. Hazards identification

Irritating to eyes. Highly flammable, inhalation of vapours may cause drowsiness and dizziness. The aerosol container is under pressure. Protect from sunlight and do not expose to high temperature over 50°C. Do not spray on flames or incandescent objects. Do not pierce or burn, even after use. Avoid direct inhalation and don't spray into eyes. Keep out of reach of children. Do not use without adequate ventilation, formation of explosive mixture may be possible.

## 31. First Aid procedures

Product on skin: immediately wash with water and soap. Remove contaminated clothing and wash before re-use.  
 Product on eyes: immediately flush the eye with plenty of water for at least 15 minutes, holding eye open. Obtain medical attention urgently.  
 Product ingested: wash out mouth with water and give cold water or milk. Do not induce vomiting. Obtain medical attention.  
 Product inhaled: expose to fresh air, in case of symptoms consult doctor.

## 32. Fire fighting measures

Extinguishing media: foam, dry chemical, carbon dioxide, sand.  
 Fire fighting procedures: wear self-contained breathing apparatus.  
 Explosion and firing hazard: keep containers cool with water spray, vapours forms explosive mixture in air, aerosol container may explode when exposed to high temperature.

## 33. Accidental spillage

Absorb spills using earth or sand, let evaporate in well ventilated area, collect for disposal.

## 34. Handling and storage

Handling: avoid vapours inhalation and contact with skin and eyes, ensure good ventilation of the work place. No smoking.  
 Storage precautions: store in well ventilated place away from flames and heat sources.

## 35. Exposure Control/Personal protection

Use in well ventilated area, above TLV (Propan-2-ol 400 ppm/8h) use NIOSH/MESSA approved respirator, wear PE/PVC protective gloves and safety glasses.

## 36. Physical and chemical data (of liquid)

Appearance: aerosol  
 Odour: alcoholic  
 Boiling range: 80°C-90°C  
 Flash point (COC/DIN/ISO 2592): 13°C  
 Explosion limits: LEL 2% - UEL 18% volume  
 Auto ignition temperature: 420°C  
 Viscosity (Brookfield) (20°C): c.a. 1 mPA.s  
 Water solubility (20°C): n.a.  
 pH: n.a.

## 37. Stability and reactivity

Product is stable at normal conditions storage and use.  
 Conditions to avoid: heating and exposure to flames.  
 Materials to avoid: strong oxidising and reducing agents, bases and acids.  
 Hazardous decomposition products: burning produces carbon oxides.

## 38. Health hazard information

Toxicity by inhalation: TLV-TWA 400 ppm/8h., may cause drowsiness or dizziness.  
 Ingestion: low toxicity LD50 oral (rat) > 2.000 mg/kg by analogy to other similar products.  
 Skin: low toxicity LD50 dermal > 2.000 mg/kg  
 Eyes: irritating  
 Sensitisation: not known

## 39. Environmental data

Do not convey in water discharges. Product does not contains ozone depleting substances.

## 40. Disposal considerations

In accordance with local regulation.

## 41. Transport information

Way	Class	
Road - Rail	ADR	UN 1950 class 2, Aerosols
Sea	IMDG-Code	UN 1950, Aerosols Class 2
Air	IATA	UN 1950, Aerosols, flammable gas class 2.1

Label: flammable gas

## 42. Labelling information

Labelling as EC regulations in force:  
 Hazard symbol F = Highly Flammable Xi=Irritating  
 Risk and safety phrases:  
 R12 Extremely flammable  
 R36 Irritating to eyes  
 R67 Vapours may cause drowsiness and dizziness  
 S16 Keep away from sources of ignition - No smoking  
 S23 Do not inhale vapours/spray  
 S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice Pressurized container:  
 protect from sun light and do not expose to temperatures exceedings +50°C. Do not pierce or  
 burn, even the empty container after use. Do not spray on a naked flame or any incandescent material.

## 43. Additional information

The information contained herein is based on our present state of knowledge and experience and according to EC Regulations and others: 91/155(2001/58), 67/548(2001/58), 1999/45(2001/60), 91/689(2001/118), 89/542, ADR 23.07.01, IMDG-Code 30° amd., IATA-DRG 2002.

Relevant R phrases

R11	Highly flammable
R12	Extremely flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R33	Danger of cumulative effects
R36	Irritating to eyes
R67	Vapours may cause drowsiness and dizziness