

LEVAFORM SI-V

according to Regulation (EC) No. 1907/2006

Division Rubber

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial Product Name : LEVAFORM SI-V

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : release agent

1.3 Details of the supplier of the safety data sheet

Manufacturer

Rhein Chemie Rheinau GmbH
Duesseldorfer Strasse 23-27
68219 Mannheim
Germany

Telephone +49 (0)621-8907-270
Telefax +49 (0)621-8907-404
E-Mail
product.safety@rheinchemie.com

Supplier

LANXESS Limited,
Branston Industrial Estate, Branston,
Burton-on-Trent, Staffordshire. DE14 3WH
United Kingdom

Telephone +44 (0) 1283 714200

1.4 Emergency telephone number

+49 (0)621-8907-313

+44 (0) 870 190 6777 National Chemical
Emergency Centre

2. Hazards identification

2.1 Classification of the substance or mixture

GHS Classification

H226: Flammable liquid and vapour.

Classification (67/548/EEC, 1999/45/EC)

Flammable.

2.2 Label elements

GHS-Labeling

Symbol(s)

:



Signal word	:	Warning	
Hazard statements	:	H226	Flammable liquid and vapour.
Precautionary statements	:	Disposal: P501	Dispose of contents/ container to an approved incineration plant.

3. Composition/information on ingredients

Hazardous components

Remarks	:	No dangerous ingredients according to Regulation (EC) No. 1907/2006
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4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice	:	Take off contaminated clothing and shoes immediately.
Inhalation	:	Remove to fresh air. If symptoms persist, call a physician.
Skin contact	:	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	:	Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	:	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	No information available.
Risks	:	No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	:	No information available.
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5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing	:	All extinguishing materials are suitable.
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media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : In the event of fire be aware of formation of noxious fumes.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Do not allow run-off from fire fighting to enter drains or water courses.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.
Keep people away from and upwind of spill/leak.
Remove all sources of ignition.
Pay attention to flashback.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8.

Advice on protection against fire and explosion : Avoid formation of aerosol.
Provide sufficient air exchange and/or exhaust in work rooms.
Take precautionary measures against static discharges.
Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Prevent heating above 50 °C and cooling below 0 °C.
Keep containers tightly closed in a cool, well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

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German storage class : 3
Flammable Liquids

Other data : No decomposition if stored and applied as directed.

8. Exposure controls/personal protection**8.1 Control parameters**

Component s	CAS-No.	Value	Control parameters	Update	Basis
< 24% ETHANOL	64-17-5	TWA	1.000 ppm 1.920 mg/m ³	2007	EH40 WEL

8.2 Exposure controls**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.
In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection : Wear suitable protective gloves (e.g. rubber gloves).
Avoid skin contact with the wetted surfaces of the protective gloves.
In the event of contamination, change protective gloves immediately.

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

Hygiene measures : Take off all contaminated clothing immediately.
When using, do not eat, drink or smoke.
Wash hands before breaks and immediately after handling the product.
Keep working clothes separately.

Protective measures : Avoid contact with the skin and the eyes.
Do not breathe vapours, aerosols.
When handling observe the usual precautionary measures for chemicals.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form	: liquid
Colour	: white
Odour	: slightly
Odour Threshold	: no data available

Safety data

Flash point	: 46 °C
Ignition temperature	: 470 °C Method: DIN 51794
Thermal decomposition	: Decomposition at temperatures above 100 °C.
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Flammability (solid, gas)	: Sustains combustion
Oxidizing properties	: Combustible.
Autoignition temperature	: does not ignite
pH	: approx. 6 - 9
Melting point/range	: -3 °C
Boiling point/boiling range	: approx. 100 °C
Vapour pressure	: 36 hPa at 20 °C 152 hPa at 50 °C
Density	: 0,97 g/cm ³ at 20 °C
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: no data available

Solubility in other solvents	: not determined
Viscosity, kinematic	: approx.555 mm ² /s at 20 °C
Explosive properties	: Not explosive
Relative vapour density	: no data available
Evaporation rate	: no data available

10. Stability and reactivity

10.1 Reactivity

Reactivity : Stable under normal conditions.

10.2 Chemical stability

Chemical stability : Stable at normal ambient temperature and pressure.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition products : Measurements taken at temperatures of over 150 °C in air (oxygen) have shown that oxidative degradation results in the generation of very small amounts of formaldehyde.

11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity : LD50: > 5.000 mg/Kg
Species: rat

Skin irritation : Species: rabbit
non-irritant

Eye irritation : Species: rabbit

non-irritant

12. Ecological information

12.1 Toxicity

Ecotoxicity effects : No information on ecology is available.

12.2 Persistence and degradability

Biodegradability : The organic components of the product are biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation : Bioaccumulation is unlikely.

12.4 Mobility in soil

Mobility : no data available

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Additional ecological information : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13. Disposal considerations

13.1 Waste treatment methods

Product : The relevant EC Directives as well as local, regional and national regulations have to be observed. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste Catalogue. It is recommended that details be sorted out with the waste disposer responsible.

Method of disposal : If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Other information

Not dangerous cargo. Keep separated from foodstuffs.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water contaminating class (Germany)

WGK 1:slightly water endangering (VWVWS A4)

15.2 Chemical Safety Assessment

Chemical Safety Assessment not yet performed.

16. Other information

Text of R-phrases mentioned in Section 3

Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapour.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.