

TECHNICAL DATA

PHOSPHOLIPID | Material Safety Data Sheet according to EC directive 91 / 155 / EEC

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Phosal 50 SA+

Identity no.: 368 209

Version: 2

Issued: 02.05.2005

1. Identification of the Substance/Preparation and Company
Product Identification
Trade name: Phosal® 50 SA+
Manufacturer/Supplier Identification
Phospholipid GmbH Nattermannallee 1 50829 Cologne Germany Phone: +49 (0) 221 – 987 46 0 Fax: +49 (0) 221 – 987 46 216
Contact for information: Dept. PL-VS Phone +49 (0) 221 – 987 46 239
Emergency phone: Phone +49 (0) 221 – 987 46 444
2. Composition/Information on Ingredients
Chemical characterization: Lecithin, soybean, in ethanol
Ingredients
Lecithin
CAS no.: 8030-76-0
EINECS no.: 310-129-7
Ethanol
CAS no.: 64-17-5
EINECS no.: 200-578-6
Content: Ca. 3 w-% F
3. Hazards Identification
The product does not maintain self-sustaining combustion. Therefore, the rating to be combustible according to GefstoffV (Ordinance on Hazardous Substances), chapter 2.2.5 is not applicable provided any endangerment can be ruled out for everybody when handling this formulation. As per RL 99/92/EC para 3, it will be the user's duty to preclude such endangerments by stringent risk assessment.
4. First Aid Measures
After respiration: No special measures required.
After skin contact: Generally not skin irritant.
After eye contact: Rinse immediately with plenty of water.
After ingestion: No special measures required.

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5. Fire Fighting Measures	
Suitable extinguishing media: Foam, CO ₂	
Extinguishing media not to be used for safety reasons: Water, powder type BC	
Special exposure hazards arising from substance or preparation itself, combustion products or resulting gazes: None.	
6. Accidental Release Measures	
Personal security measures: Forms slippery surfaces with water.	
Environmental measures: No discharge into sewage system, surface water and ground water.	
Procedure for cleaning and absorption: Take up with absorbent material (e.g. oil binder). Disposal of absorbed material in accordance with the regulations.	
7. Handling and Storage	
Handling	
Information for safe handling: Use only in well ventilated areas. Take precautionary measures against static discharges.	
Protection against fire and explosion: Keep away from sources of ignition.	
Storage	
Requirements for storage rooms and containers: No special measures required.	
Information for storage compatibility: No restrictions.	
Further information for storage conditions: Keep container tightly closed. Store in a dry place.	
8. Exposure Controls/Personal Protection	
Ingredients with Occupational Exposure Limits to be monitored	
MAK (Ethanol): 500 ppm 960 mg/m ³	
Personal Protective Equipment	
Respiratory protection: No particular protection required.	
Hand protection: No particular protection required.	
Eye protection: Wear protecting glasses.	
General protection measures: Avoid contact with eyes.	
Hygiene measures: No special measures required.	

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9. Physical and Chemical Properties

Appearance

Form:	Liquid
Color:	Yellow brown
Odor:	Characteristic

Safety Data

Ignition point:	38 ± 3°C
Ignition temperature:	370°C
Density:	0.9 – 1.0 g/cm ³ (20°C)
Solubility in water:	Dispersible
pH value:	7 ± 1 bei 10 g/l, 20°C
Viscosity:	Max. 5000 mPa.s (20°C)

10. Stability and Reactivity

Hazardous reactions:	No hazardous reaction known.
Hazardous decomposition products:	No hazardous decomposition products known.
Thermal decomposition:	No thermal decomposition known.

11. Toxicological Information

Remarks:	The product can be considered as non-toxic for human beings and animals.
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12. Ecological Information

Remarks:	The product is biological decomposable.
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13. Disposal Considerations

Product:	Disposal in compliance with national and local regulations.
Contaminated packaging:	Contaminated packaging should be emptied as far as possible. After appropriate cleansing it may be taken for re-use.

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14. Transport Information

ADR: UN-No. 1993 Class 3 Packaging group III F 1 Description of the goods: flammable liquid, N.O.S. (ethanol mixture)

Hazard no.: 30

RID: UN-No. 1993 Class 3 Packaging group III F 1 Description of the goods: flammable liquid, N.O.S. (ethanol mixture)

IMDG: UN-No. 1993 Class 3 EmS 3-07 Packaging group III Description of the goods: flammable liquid, N.O.S. (ethanol mixture)

ICAO / IATA: UN-No. 1993 Class 3 Packaging group III Description of the goods: flammable liquid, N.O.S. (ethanol mixture)

15. Regulatory Information

Labeling: The product is classified and labeled in accordance with EC directives/the relevant national laws.

16. Other Information

All data and recommendations as well as formulation made herein are based on our present state of knowledge. We disclaim all liability on risks or formulae that may result from the use of our products, including improper and illicit use.