



MATERIAL SAFETY DATA SHEET (91 / 155 / EC)

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

- Trade name: **FLORIMP K VERDE ®**
- Supplier: AISCO Chemieprodukte GmbH
Basler Straße 115 D-79115 Freiburg
Tel.: +49 (0) 761 / 7073913 Fax: +49 (0) 761 / 7073 914
- Product responsibility: Chemical Laboratory, AISCO-Chemieprodukte
- Emergency telephone: Universitätsklinik Freiburg, Germany, Tel: 0049 (0) 761-270-4361

2. Composition / information on ingredients

- Description: aqueous solution of nitrogene- and phosphorous- containing inorganic and organic salts
- Information on ingredients: not applicable

3. Hazards identification: No hazard classification according to EU Guidelines

4. First – Aid measures:

- Inhalation: Move to fresh air. Seek medical attention if you feel unwell or if exposure prolonged.
- Skin contact: Rinse immediately with plenty of water for at least 15 minutes.
- Eye contact: Rinse immediately with plenty of water for at least 15 minutes with open eyes.
- Ingestion: Call for doctor instantly, do not induce vomiting
- Advice for the doctor: Symptomatic treatment, show him this safety data sheet.

5. Fire – fighting measures:

- Fire extinguishing agents: Choose extinguishing agents taking into account the surroundings.
- Restrictions: No restrictions
- Fire / explosion hazard: None
- Main combustion gas: Not known
- Personal protection: Self contained breathing apparatus.

6. Accidental release measures:

- personal protection: Tightly fitting safety goggles, protective rubber gloves.
Keep unprotected persons away.
- Environmental precautions: Prevent material from reaching sewage systems, holes and cellars. Do not allow to enter the ground / soil.

- Spillage procedure: Contain with suitable absorbent material. Scoop into marked containers for disposal as chemical waste.
- Additional information: ---

7. Handling and storage:

- Occupational hygiene: Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and any legal requirements.
- Fire precautions: No special measures required.
- Storage facilities: Store in a cool, dry adequate ventilation.
- Segregation: No special precautions.
- Storage conditions: Sensitive to heat over 40° C and to cold under 0° C.
Keep containers closed.
Ensure good ventilation / exhaustion at the workplace.

8. Exposure controls and personal protection:

- Components with occupational exposure limits: See national regulations.
- Personal protection: Tightly fitting safety goggles. Protective rubber gloves.
Keep unprotected persons away.

9. Physical and chemical properties:

- Appearance: liquid
- colour: clear
- odour: odourless
- pH: 5.5 at 20°C
- boiling point: 100°C
- flash point: --
- auto – ignition: --
- explosion limits: --
- density: 1.1 g / cm³
- solubility in water: miscible

10. Stability and reactivity:

- conditions to avoid: No dangerous reactions known.
- materials to avoid: None
- hazardous decomposition products:: None known if product is used according to recommendations.
- additional information: --

11. Toxicological information:

- Acute toxicity: (LD 50) > 2000 mg / kg
- primary irradiation: (skin) non-irritant EG 83 OECD 404
(eye) non-irritant EG 83 OECD 405
- skin sensitisation: not sensitizing

12. Ecological information

- Bioelimination	25 – 50 %, TOC analysis		
- ecotoxicological data:			
- bacterial toxicity:	IC 50 > 300 mg / l		
- fish toxicity:	LC 0 1000 mg / l		
	LC 50 > 1000 mg / l	48 h rainbow trout	OECD 203
- nitrogen content:	ca. 7 %		
- phosphorus content:	ca. 4 %		

13. Disposal considerations:

- Product:	Incineration. Observe local regulations.
- Contaminated packing:	Contaminated, empty containers must be disposed of as chemical waste.

14. Transport information:

- UN Number ADR/RID	FREE	- ADR / RID – Class	FREE	Packing group
- UN Number IMO	FREE	- IMDG Class	FREE	Packing group
- UN Number ICAO	FREE	- ICAO Class	FREE	Packing group

15. Regulatory information:

- Classification and Labelling:	Not classified as hazardous
- R / S – Phrases:	None

<u>16. Other information:</u>	To use as fire-retarding product. Keep away from foodstuffs.
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