

## TECHNICAL DATA SHEET

Effective date: 04.2019  
Rev.1

### Marine Z

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Glycerin, Aqua, Hydrolyzed algin, Zinc sulfate
Manufacturing process	Enzymatic depolymerization of membranous polysaccharides extracted from brown algae ( <i>Laminaria digitata</i> ) using a marine enzyme.
Raw material category	Active ingredient
Starting substances	<i>Laminaria digitata</i> (Brown algae)
Solvent	Water

#### TECHNICAL DATA

##### Composition

Substance	%
Vegetable glycerin	50
Aqua	47.25
Hydrolyzed algin (Algae)	2.5
Zinc sulfate (Synthetic)	0.25

##### Physical parameters

Appearance	Clear to cloudy liquid (a light deposit may appear with time)
Color	Yellow to orange
Odor	Characteristic
Relative density at 20°C	1.050 – 1.200
Refractive index at 20°C	1.390 – 1.450
pH	4.00 – 6.00
Polymerization degree	7 – 12

##### Biological parameters

Total mesophilic aerobic bacteria count	< 100 cfu/g
Yeasts and molds	< 100 cfu/g

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Pseudomonas spp	Absent/g
Staphylococcus aureus	Absent/g
Candida albicans	Absent/g
Enterobacteriaceae	Absent/g

### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container. Keep refrigerated at 4°C after opening.
Shelf Life	24 months under good storage conditions
Custom tariff	-

### LEGISLATION

Certification	-
IFRA restrictions	-
BSE/TSE declaration	Does not contain or come into contact with any ingredients of animal origin and is therefore considered to be BSE/TSE free.
GMO	GMO free
EINECS	200-289-5/ 231-791-2/ 232-680-1/ 616-097-3
CAS	56-81-5/ 7732-18-5/ 9005-32-7/ 7446-20-0
REACH pre-registration no.	Exempt/ Exempt/ 05-2114590129-42-0000/ 01-2119474684-27-0000

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