

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

Additional information

Product is stable under normal storage conditions

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	6400 mg/kg	rat		
Skin irritation	irritant			
Eye irritation	strong irritant			
Skin sensitization	non-sensitizing			

Toxicity test (Additional information)

No experimental indication of genotoxicity in vitro (Ames-test negative).

No experimental indication of genotoxicity in vivo (micronucleus test negative).

There is no risk for a normal operation application

Additional information

The product has to be handled with usual caution for chemicals

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 > 5000 mg/l (96 h)	Oncorhynchus mykiss		
Daphnia	EC50 > 1500 mg/l (48 h)	Daphnia magna		
Algae	EC50 > 1000 mg/l (72 h)	Selenastrum capricornutum		
Bacteria	EC50 > 10000 mg/l (4 h)	Nitrifying bacteria		

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	The used surfactants comply the terms of the biodegradability in the regulation (EG) Nr. 648/2004.			readily degradable

Biological eliminability

The product is readily biodegradable to OECD criteria.

12.3. Bioaccumulative potential



No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Behaviour in sewage plant

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

General regulation

The breakdown properties of the product have not been tested. The information on these is given on the basis of details in the literature.

The behaviour of the product in sewage treatment plants has not been tested. The information on this is given on the basis of details in the literature.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature. This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Incinerate in suitable incineration plant, but care for official regulations.

Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

Barrel: return by DSD (Dualistic System Germany)

Recommended cleansing agent

Water or commercial cleaning agents

General information

Waste removal corresponding to official directives

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-



14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 self-classification

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Keep out of the reach of children.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.4

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.