

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Fesorb

Product number POF-0750
Brand ReefX®
Substance name Iron (III) oxide
CAS no. 1309-37-1

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

For removal of phosphate, arsenic and solicate from marine and freshwater aquaria.

1.3 Details of the supplier of the safety data sheet

Name Live Reef Ltd

Address 8-9 Mountbatten Road

EX16 6SW Tiverton Devon

UK

Telephone +44 (0)800 8620270 email info@livereef.uk

1.4 Emergency telephone number

Live Reef Distribution Ltd +44 (0)800 8620270

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.3 Other hazards

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name Iron (III) oxide CAS no. 1309-37-1 Formula Fe2O3 Molecular weight 159.7

Other names / synonyms Iron hydroxide oxide; Iron hydroxide; Iron (III) oxide

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation If there is difficulty in breathing, give oxygen.

Seek medical attention if symptoms persist.

Following skin contact Wash skin thoroughly with soap and water.

Continue washing for at least 15 minutes.

Seek medical attention if symptoms occur or redness persists.

Following eye contact Immediately flood the eye with plenty of water for at least 15 minutes,

holding the eye open.

Obtain medical attention if soreness or redness persists.

Following ingestion Have victim drink 1-3 glasses of water to dilute stomach contents.

Never administer anything by mouth if a victim is losing consciousness,

is unconscious or is convulsing.

Obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

This product may give rise to hazardous fumes in a fire.

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Avoid inhalation of dusts or aerosols.

Ensure adequate ventilation.

Ventilate area of spill.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

This product may be collected by carefully scooping into a pan, paper towel or other absorbent material.

Clean up spills in a manner that does not disperse dust into the air.

Use non-sparking tools and equipment.

Reduce airborne dust and prevent scattering by moistening with water.

Transfer into suitable containers for recovery or disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid buildup of static charge in handling equipment.

Do not get in eyes, on skin or on clothing.

Avoid breathing dust.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed when not in use.

Storage area should be: cool, dry, well ventilated, and away from incompatible materials (see section 10 for materials to avoid).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Iron (III) oxide (CAS: 1309-37-1 EC: 215-168-2)

Parameter REL Route of exposure Inhalation

Value 5 mg/m3 (dust and fume)

Source NIOSH

Basis / monitoring / notes OSHA Annotated Table Z-1, www.osha.gov

Parameter PEL
Route of exposure Inhalation
Value 5 mg/m3 (fume)
Source Cal/OSHA

Basis / monitoring / notes OSHA Annotated Table Z-1, www.osha.gov

Parameter PEL Route of exposure Inhalation

Value 10 (fume) mg/m3

Source OSHA

Basis / monitoring / notes OSHA Annotated Table Z-1, www.osha.gov

Parameter TWA

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Value 5 mg/m3

8.2 Exposure controls

Appropriate engineering controls

Good general room ventilation is expected to be adequate to control airborne levels. If conditions are dusty, use local exhaust ventilation.

Personal protection equipment

Pictograms





Eye and face protection

Chemical goggles or safety glasses with side shields.

Skin protection

Rubber gloves.

Body protection

Normal work wear.

Respiratory protection

NIOSH Approved dust respirator if conditions are dusty.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Solid; brown/dark red granules

Odour Ordorless
Odour threshold Not applicable

pH No data available

Melting point / freezing point 565

Initial boiling point and boiling range

No data available

Flash point

No data available

Evaporation rate

Flammability (solid, gas)

Not flammable

No data available

Not flammable

Upper/lower flammability limits
Vapour pressure
Vapour density

No data available
No data available
> 1.0 g/ml

Relative density

Solubilit(ies)

Partition coefficient: n-octanol/water

1.23

Insoluble

No data available

Auto-ignition temperature

Decomposition temperature

Viscosity

No data available

No data available

No data available

No data available

Viscosity

Explosive properties

Oxidising properties

No data availa

Not explosive

Not oxidising



SECTION 10: Stability and reactivity

10.1 Reactivity

No data avilable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data avilable.

10.4 Conditions to avoid

High temperatures.

10.5 Incompatible materials

Hydrazine, calcium hypochlorite, performic acid.

10.6 Hazardous decomposition products

Acrid smoke and irritating fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 10.000 mg/kg bw

Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation (OECD Test Guideline 404)

Serious eye damage/irritation

Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

This product is not expected to cause any mutagenic effects.

Carcinogenicity

This product is not expected to cause long-term adverse health effects.

Reproductive toxicity

This product is not expected to cause reproductive or developmental health effects.

STOT-single exposure

No data available.





STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

12.1 Toxicity

No relevant studies identified.

12.2 Persistence and degradability

No relevant studies identified.

12.3 Bioaccumulative potential

No relevant studies identified.

12.4 Mobility in soil

No relevant studies identified.

12.5 Results of PBT and vPvB assessment

Not applicable.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal of the product

Dispose of in accordance with all applicable local and national regulations.

Disposal of contaminated packaging

Dispose of in accordance with all applicable local and national regulations.

SECTION 14: Transport information

14.1	UN Number	None
14.2	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code None

SECTION 15: Regulatory information

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

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New Jersey Right To Know Components

Common name: IRON OXIDE CAS number: 1309-37-1

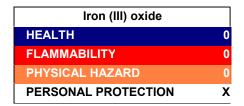
Pennsylvania Right To Know Components

Chemical name: Iron oxide CAS number: 1309-37-1

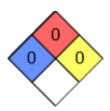
15.2 Chemical Safety Assessment

Yes.

HMIS Rating



NFPA Rating



SECTION 16: Other information

Further information/disclaimer

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.