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TECHNICAL FILE REAKTOL CATALYST

Material contents and company identification

1. Identification of the product and the society:

1.1 Data on the product:

Chemical description	Liquid catalyst for C-Silicones
Commercial name	REAKTOL
Reference	F-01908-00
Container:	Bottle of 20ml.

1.2 Manufacturer

Fresco International 2005, S.L.
Sicilia 143, Bjs
08013 Barcelona
Tel: 932314812 / Fax: 932652863

1.3 Emergency telephone:

(+34) 932314812 (only available during office hours: Monday to Thursday from 8:30 to 14:00 and 16:00 to 19:00; Fridays from 8:30 to 14:30.)

1.4 Concerning department:

Technical department

2. Hazards identification

2.1 Pictograms:



2.2 Hazard statements

H302+H332	Harmful if swallowed or if inhaled.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H360F	May damage fertility.
H372	Cause damage to organs (Thymus) through prolonged or repeated exposure if swallowed.
H412	Harmful to aquatic life with long lasting effects.

2.3 Precautionary statements

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical advice/attention.

P310 Immediately call a poison centre/doctor.
 P501 Dispose of contents/ container in accordance with local and national regulations.

2.4 Other hazards

No information available

3. Composition/Information on ingredients

3.1 Chemical Characterisation (preparation):

Description: Silicon-tin-compound with auxiliary matters.

3.2 Hazardous Ingredients:

CAS No	Chemical Name	EC No	REACH No	Classific. Reg. (EC) No. 1272/2008
93922-42-9	Alkylstannonic siloxanes (>80%)	300-344-4	01-2119560586-30	Flam. Liq. 3, Muta. 2, Repr. 1, Acute Tox. 4, Eye Dam. 1, Stot RE 1, Aquatic Chronic 3, H226 H341 H360F H332 H302 H318 H372 H412

4. First aid measures

- General Information:

First aider: Pay attention to self-protection. Remove affected person from the danger area and lay down.

- After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

- After contact with the skin

Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary.

- After contact with the eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

- After ingestion

Rinse mouth immediately and drink plenty of water. Let water be drunken in little sips (dilution effect). Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unimpeded flow out of the vomit (danger of suffocation).

5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Non-flammable

5.3 Advice for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

5.4 Additional information:

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 Environmental precautions:

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up:

Absorb with a liquid-binding material (sand, diatomaceous earth). Treat the recovered material as prescribed in the section on waste disposal.

7 Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling: If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion; No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements for storage rooms and vessels:

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on storage compatibility:

Do not store with strong oxidising materials.

Further information:

Keep only in the original container in a cool, dry and well-ventilated place, away from foodstuffs.

7.3 Specific end use(s)

Impression material for use in podiatry (component A).

For use by trained specialist staff.

8 Exposure control and personal protection

8.1 Exposure controls:

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spra.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: NBR (nitrile rubber), Butyl caoutchouc (butyl rubber)

Skin protection

Wear suitable protective clothing

Respiratory protection

In case of inadequate ventilation wear respiratory protection

9 Physical and chemical properties:**9.1 Information on basic physical and chemical properties:**

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

9.2 Important information on health and environmental protection and on safety:**Test Method**

pH-Value	n.d.
Melting point	n.d.

Initial boiling point and boiling range:	>100°C	DIN 51356
Flash point:	> 100°C	DIN 51755
Temperature of ignition:	> 300°C	DIN 51794
Vapour pressure	< 1hPa at 20°C	
Density:	1,0 gr/cm ³ to 20°C	DIN 51757
Viscosity dynamic	< 80mPa.s at 23°C	Brookfield
Water solubility:	insoluble	
Explosion limits	n.d.	

10 Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures

10.3 Possibility of hazardous reactions

Reacts with: strong oxidising agents

10.4 Conditions to avoid

Higher temperatures advance the formation of flammable vapours, therefore do not expose the product to increased temperatures.

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No known hazardous decomposition products.

11 Toxicological information

Acute toxicity

Harmful if swallowed or if inhaled.

For the product itself no toxicological data are available. In products with a comparable composition a LD50 (orally, species rat) of >2000 mg/kg has been found.

ATE mix calculated

ATE (oral) 500,0 mg/kg; ATE (inhalative vapour) 11,00 mg/l; ATE (inhalative aerosol) 1,500 mg/l.

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Based on a Bovine Corneal Permeability Study conducted in accordance with OECD Guideline No. 437 (July 2013), H318 is not shown.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing genetic defects (alkylstannonic siloxanes)

May damage fertility (alkylstannonic siloxanes)

Carcinogenicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Causes damage to organs (Thymus) through prolonged or repeated exposure if swallowed. (alkylstannonic siloxanes)

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 (CLP). Special hazards arising from the substance or mixture.

12 Ecological information

12.1 Toxicity:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability:

The product has not been tested.

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The product has not been tested

12.6 Other adverse effects

No information available

12.7 Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soli/subsoil.

13 Disposal considerations**13.1 Waste treatment methods:**

Advice on disposal: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to the applicable legislation.

Contaminated packaging: This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

14 Transportation information**14.1 Land transport ADR / RID**

No dangerous good in sense of this transport regulation

14.2 Inland navigation: ADN

No dangerous good in sense of this transport regulation

14.3 Marine transport: IMDG

No dangerous good in sense of this transport regulation

14.4 Air transport: ICAO-TI / IATA-DGR

No dangerous good in sense of this transport regulation

14.5 Transport/other data

Service of post office and messenger:

Spain mail: Authorized

In the amounts of our package 30 ml

15 Regulatory Information**15.1 National Regulations: EU regulations**

Observe local byelaws

Information for labelling is given in section 2 of this document.

16. Other information**16.1 Further information:**

Explanation of the abbreviations

n.d.=not determined

16.2 Product:

The given information describes exclusively the safety requirements of the product(s) and is based on our present day knowledge. It is not a legal warranty and does not replace the work of professional healthcare practitioner, place a query to Fresco International 2005 S.A. in case of doubts.

Fresco International 2005 S.A., does not accept responsibility for misuse of the manufactured products, or if used for a different activity, the conditions of its use are not under our control.

This Safety Data Sheet has been adjusted to the Directive (EC) 453/2010

Signature, place and date: Barcelona 27/03/2020

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