



Silicones

Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :1/8

Date : 15/01/1997

1 (UK)

1 Product and company identification.

PRODUCT NAME: RHODORSIL CATALYST 11016
SUPPLIER: Manufacturer :
Name: Rhône-Poulenc Chimie.
Rhône-Poulenc Silicones Europe.
Address: 19, avenue G. Pompidou.
F-69486 LYON cedex 03.
Telephone number: 04 72 13 19 00.
Telex number: RPSIL 305 111 F.
Telefax number: 04 72 13 19 88.
MANUFACTURING SITE:
Factory: Rhône-Poulenc Chimie.
Usine Silicones.
Address: 1 rue des frères PERRET.
F-69191 Saint Fons Cedex.
Telephone number: 04 72 73 74 75.
Telefax number: 04 72 73 75 99.

2 Composition / information on ingredients

>> PREPARATION:
Chemical nature: Blend of organic silicates, organofunctional silane and pigment.
Components contributing to the hazard: N-[3-(TRIMETHOXYSYLYL)PROPYL]-1,2 ETHANEDIAMINE
(CAS: 1760-24-3) : 33 % - EEC Classification: Xi - R41 - 43.

3 Hazards identification

MOST IMPORTANT HAZARDS:
Adverse human health effects: Risk of serious damage to eyes.
May cause sensitization by skin contact.
Environmental effects: Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.
Physical and chemical hazards:
- Fire or explosion: Combustible liquid.
Explosive vapour/air mixtures may be formed above 65°C.
- Further hazards: On contact with humidity:
toxic vapours are released.
Classification/Specific hazards: According to EEC criteria, this product is classified as:
- IRRITANT.
- SENSITIZING.

UK EMERGENCY CONTACT NUMBER: 01865 407 333



Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :2/8

Date : 15/01/1997

1 (UK)

4 First-aid measures

Inhalation: Move to the fresh air.
If the person feels unwell :
Give artificial respiration if necessary.
Call a doctor immediately.

Skin contact: Immediately remove contaminated clothing or footwear.
Wash immediately with plenty of soap and water.

Eye contact: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.
Consult an eye specialist immediately, even if there are no visible injuries.

Ingestion: NEVER attempt to induce vomiting.
Call a doctor immediately.

5 Fire - fighting measures

Extinguishing media:

- Suitable: Alcohol-resistant foam.
Powders.
Carbon dioxide (CO2).

- Not suitable: Strong water jet.

Specific hazards: Combustible liquid.
During combustion:
Toxic and highly flammable gases are released, which increase fire/explosion hazards.
Hazardous dust is released.

Specific fire fighting methods: Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters: Self-contained breathing apparatus.

6 Accidental release measures

Personal precautions: Do not breathe vapours.
NO flames, NO sparks. Eliminate all sources of ignition.
Do NOT attempt to take action WITHOUT suitable protective equipment.
For further information refer to section 8 "Exposure-controls/personal protection".
Mechanically ventilate the spillage area.
Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: For a large spillage, contain the spillage by bunding.
Do NOT discharge into drains or rivers.

Methods for cleaning up:

- Recovery: Collect up the product and place it in a spare container:
- suitably labelled.

UK EMERGENCY CONTACT NUMBER:01865 407 333



Silicones

Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :3/8

Date : 15/01/1997

1 (UK)

- Neutralization:
 - made of coated steel.
 - tightly closed.
 - Keep the recovered product for subsequent disposal.
 - Absorb non-recoverable liquid with:
 - dry sand or dry inert absorbent.
- Cleaning/Decontamination:
 - Decontaminate and wash the floor with an appropriate self-emulsifying solvent.
 - Then wash with plenty of water.
- Disposal:
 - Incinerate contaminated materials at an authorized installation.

7 Handling and storage

HANDLING

- Technical measures: Vapour extraction.
- Measures: Avoid contact with moisture/humidity.
- Safe handling advice: Do not mix with incompatible materials (See list section 10).
- Comply with instructions for use.

STORAGE

- Technical measures: Does not require any specific or particular technical measures.
- Storage conditions:
- Recommended:
 - Store:
 - the container tightly closed and dry.
- To be avoided:
 - Store away from incompatible materials.
- Incompatible products:
 - Strong oxidizing agents.
 - Acids.
- Packaging:
 - Tin drums, varnished with epikote.
 - Plastic bottles.
- Packaging materials:
- Recommended:
 - Coated steels.
 - Plastic materials.
- Not suitable:
 - Uncoated metals.

8 Exposure controls / personal protection

- Engineering measures:
 - Ensure good ventilation of the work station.
 - Extraction to remove vapours at their source.
- Control parameters:
- Occupational exposure limits:
 - Limits (France):
 - Methanol : VME : 260 mg/m³ (200 ppm).
 - Methanol : VLE : 1300 mg/m³ (1000 ppm).
 - Ethanol : VME : 1900 mg/m³ (1000 ppm).
 - 1-Propanol : VME : 500 mg/m³ (200 ppm).
 - Limits (U.S.A./A.C.G.I.H.):
 - Methanol : TLV (STEL) = 328 mg/m³ (250 ppm)
 - Ethanol : TLV (TWA) = 1880 mg/m³ (1000 ppm)

UK EMERGENCY CONTACT NUMBER:01865 407 333



Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :4/8

Date : 15/01/1997

1 (UK)

Surveillance procedures:

1-Propanol : TLV (TWA) = 492 mg/m³ (200 ppm)

1-Propanol : TLV (STEL) = 614 mg/m³ (250 ppm)

Methanol : TLV (TWA) = 262 mg/m³ (200 ppm)

- LIMITS (UK) :

Propan-1-ol:

OES: 200 ppm or 500 mg/m³ - (Long term exposure limit - 8h TWA reference period)

OES: 250 ppm or 625 mg/m³ (Short term exposure limit - 15 minute reference period)

Sk notation - can be absorbed through the skin

Ethanol:

OES: 1000 ppm or 1900 mg/m³ (Long term exposure limit - 8h TWA reference period)

Methanol:

OES: 200 ppm or 260 mg/m³ (Short term exposure limit - 15 minute reference period)

OES: 250 ppm or 310 mg/m³ (Long term exposure limit - 8h TWA reference period)

Sk notation - can be absorbed through the skin

Personal monitoring.

Special medical surveillance.

Personal protective equipment:

- Respiratory protection:

In the event of insufficient ventilation:

Self-contained breathing apparatus.

- Hand protection:

Protective gloves made of rubber.

- Eye protection:

Goggles.

Collective emergency equipment:

Safety shower.

Eye fountain.

9 Physical and chemical properties

APPEARANCE:

- Physical state:

Liquid.

- Form:

very slightly viscous.

- Colour:

blue.

Odour:

amine-like.

pH:

Not applicable

Specific temperatures:

- Boiling:

(Initial): 168°C.

Flammability characteristics:

- Flash point:

65°C (Closed cup, according to method Afnor T 60103).

Oxidizing properties:

Non oxidizing material according to EEC criteria.

UK EMERGENCY CONTACT NUMBER: 01865 407 333

Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :5/8

Date : 15/01/1997

1 (UK)

Explosion properties:

Vapour pressure:

Specific gravity:

Solubility:

- in water:

- in organic solvents:

< 0.1 kPa at 20 °C.

Approx. 990 kg/m³ at 25 °C.

Reacts.

Soluble in:

- acetone

- alcohol (ethanol)

- aliphatic hydrocarbons.

- aromatic hydrocarbons (toluene, xylene).

- chlorinated solvents.

approx. 3 mm²/s at 25 °C.

Kinematic viscosity:

10 Stability and reactivity.

Stability:

Stable at room temperature provided it is not on contact with air.

Partially hydrolyses at room temperature on contact with humidity.

Hazardous reactions:

- Conditions to avoid:

Decomposes:

- on contact with humidity.

- strong oxidizing agents.

- acids.

- Materials to avoid:

- Hazardous decomposition products:

On contact with humidity, releases:

toxic and highly flammable vapours which increase the risk of a fire or explosion.

Methanol - Quantity potentially released: 14% of the weight of the product.

Ethanol - Quantity potentially released: 22% of the weight of the product.

1-Propanol - Quantity potentially released: 33% of the weight of the product.

On combustion forms:

(Carbon oxides (CO + CO₂)).

(Nitrogen oxides).

(Silica).

11 Toxicological information

Acute toxicity:

The product reacts with acid in the stomach, releasing toxic quantities of methanol.

Local effects:

Moderately irritating to the skin.

Extremely irritating to the eyes. May cause severe ocular lesions.

Sensitisation:

May cause sensitization on contact with skin.

UK EMERGENCY CONTACT NUMBER: 01865 407 333

Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :6/8

Date : 15/01/1997

1 (UK)

12 Ecological information

Behaviour in the environment:

Mobility:

Persistence/Degradability:

Bioaccumulation:

Destination of the product:

- Effects on the aquatic environment:

Slightly soluble product, readily forms deposits.

The product formed on hydrolysis (Alcools) is readily biodegradable.

Not bioaccumulable.

Water : 62 %.

Soil : 38 %.

If the product is not neutralized, it may be toxic to aquatic organisms due to its alkalinity.

13 Disposal considerations

WASTE FROM RESIDUES:

Prohibition:

Destruction/Disposal:

CONTAMINATED PACKAGING:

Decontamination/cleaning:

Destruction/Disposal:

NOTE:

Discharging waste into rivers and drains is forbidden.

Dilute with a flammable solvent and incinerate at a licensed installation.

Allow it to drain thoroughly.

Rinse with an appropriate solvent.

Recover and incinerate the cleaning solvent and dispose of at a licensed site.

Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.

The user's attention is drawn to the possible existence of local regulations regarding disposal.

14 Transport information

INTERNATIONAL
REGULATIONS :

Land:

- Rail/road (RID/ADR):

Sea (IMO/IMDG):

Air (ICAO-IATA):

NOTE:

NOT restricted.

NOT restricted.

NOT restricted.

The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with the Rhone-Poulenc commercial agency.

15 Regulatory information

LABELLING :

EEC regulations:

- Classifications/Symbols:

Mandatory labelling (self-classification) of hazardous preparations: Applicable.

- IRRITANT (Xi)

UK EMERGENCY CONTACT NUMBER:01865 407 333



Silicones

Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Page :7/8

Date : 15/01/1997

1 (UK)

- R phrases: R 41: Risk of serious damage to eyes.
R 43: May cause sensitization by skin contact.
- S phrases: S 24: Avoid contact with skin.
S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 37/39: Wear suitable gloves and eye/face protection.
- Further data: Contains:
N-[3-(Trimethoxysilyl)propyl]1,2-ethanediamine :(33%).
- NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet.
The user's attention is drawn to the possible existence of additional provisions which complete these regulations.
Refer to all applicable national, international and local regulations or provisions.
We also recommend that you refer to all other relevant national and local legislation.

16 Other information

- Uses:
- Recommended uses: Catalyst for silicone elastomers which vulcanize at low temperatures.
(RTV for polycondensation).
(For further information, refer to the product technical data sheet).
- Prohibited uses: This product is only intended for industrial use.
- Registration numbers: All the constituents of this preparation are registered in the EINECS inventory.
All the components of this preparation are registered in the TSCA inventory.

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.
The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products.

This information is not exhaustive.

UK EMERGENCY CONTACT NUMBER: 01865 407 333





Silicones

Safety Data Sheet

Product: RHODORSIL CATALYST 11016

Product: RHODORSIL CATALYST 11016

Page : 8/8

Date : 15/01/1997

1 (UK)

Date : 15/01/1997

This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.

End of document.
Number of pages : 8

Further data:

NOTE:

10 Other information

Use:
- Recommended uses

- Prohibited uses:
- Prohibited mixtures

Catalyst for silicone elastomers which vulcanize at low temperatures (RTV for polycondensation).
(For further information, refer to the product technical data sheet).
This product is only intended for industrial use.
All the components of this preparation are registered in the EINECS inventory.
All the components of this preparation are registered in the TSCA inventory.

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product at the time of publication. It is given as good faith.
The attention of the user is drawn to the possible risks involved by using the product and the safety measures which must be taken for which it was intended.
This does not in any way restrict the user from his own and applying all the regulations governing its use.
The sole responsibility of the user is to take all precautions required in handling the product.
The aim of the mandatory regulatory measures is to help the user in this task. The user is responsible for the use of the product. This information is not exhaustive.

UK EMERGENCY CONTACT NUMBER: 01865 407 333

