

Material Safety Data Sheet

In accordance with 2001/58/EC

ORGANOMETAL sa

Product Name: ORGANO Zr 18

Date: 11.12.06

Edition:01



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product information

Trade Name: ORGANO Zr 18

Use: Paint Drier

Company: ORGANOMETAL sa
Address: G Androutsou 5 Koukaki Athens
Telephone: +30 22620 30982
Telefax: +30 22620 56646

Emergency Telephone Number: 210 7793777-9

2. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical nature: Solution of organometallic zirconium salt in mineral spirit

	CAS No.	EINECS No.	Concentration	Symbol	R-Phases
Zirconium octoate	22464-99-9	241-197-8	70%	Xi	36/38
Mineral spirit aliphatic	64742-88-7	265-191-7	30%	Xn,N	10,51/53,65,67

3. HAZARDS IDENTIFICATION

Risk advise to man and the environment: R20 Harmful when inhaled
R36/38 Irritating to eyes and skin
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects.
65 Harmful, may cause lung damage if swallowed
R67 Inhalation may cause sleepiness and dizziness

Chemical and physical risk: R10 Flammable

4. FIRST AID MESURES

General Advice: Take off all contaminated immediately

Inhalation: Move to fresh air in case of accidental inhalation of vapours

Skin Contact: Wash off immediately with soap and plenty of water

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Ingestion: Do not induce vomiting: contains petroleum distillates

Notes to physician: No hazards which require special first aid measures

5. FIRE FIGHTING MESURES

Suitable extinguishing media: Foam, water spry

Extinguishing media which must not be used for safety reasons: High volume water jet

Specific hazards during fire fighting: Burning produces irritant fumes

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment

Environmental precautions: Do not let product enter drains

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel
Acid binder, universal binder, sawdust)

7. HANDLING AND STORAGE

Handling
Advice on safe handling Keep away form sources of ignition.
No smoking.
When pumping use anti-explosive motors

Advice on safe handling: Keep containers tightly closed in dry and well ventilated
lace. Keep away form heat.

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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Mineral spirit

CAS No.: 64742-88-7

EH40 OES / TWA 8 ώρες 575mg/m³ ή 100 ppm
EH40 OES / STEL 15 λεπτά 720mg/m³ ή 125 ppm
OSHA/PEL 2900mg/m³ ή 500ppm
ACGIH/TLV 525mg/m³ ή 100ppm

Zirconium octoate

CAS No.: 22464-99-9

Personal protective equipment

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection:

Suitable gloves

Eye protection:

Wear tightly fitting goggles.

Skin and body protection:

Wear long sleeved clothing.

Additional measures

Do not drink, eat or smoke when use.

Avoid contact with the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:

Liquid

Colour:

Cloudy

Odor:

Characteristic mineral sprit

pH

-

Melting point:

-15 °C

Boiling point:

140 °C

Ignition temperature:

41 °C

Lower explosion limit:

0.6% V

Upper explosion limit:

7% V

Vapor pressure:

250 mm Hg in 38 °C

Density:

1.100 gr./cm³

Solubility:

In organic solvents

Viscosity:

200 mPas

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10. STABILITY AND REACTIVITY

Conditions to avoid: No decomposition if used as directed

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Carbon oxides, zirconium substances

Other information: Polymerization dose not occur.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

Inhalation: LD₅₀ dosage for rat: < 5500 mg/m³ for 4 hours.

Swallowing: LD₅₀ dosage for rat: < 4g/kg

Skin irritation: LD₅₀ dosage for rabbit: < 3g/kg

Eye irritation: 0,1 ml dosage for rabbit

12. ECOLOGICAL INFORMATION

Eco toxicity Effects

Acute toxicity (toxicity to fish): No data available

Toxicity to bacteria: No data available

Toxicity to algae: No data available

Bioaccumulation: No data available

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13. DISPOSAL CONSIDERATIONS

Product: Can be incinerated, when in compliance with local regulations

Unclean Empty Packaging: Empty containers should be taken for local recycling or Waste disposal

14. TRANSPORT INFORMATION

ADR/RID: Class : 3
IMCO: Class : 3.3
IATA: Class : 3
Packaging Group: III
UN- No: 1263
Description of the goods: Flammable Liquid

15. REGULATORY INFORMATION

EU regulations: 91/155/EK, 93/112/EK και 99/45/EK

Hazards: —

Symbols



Xi
Irritant



N
Dangerous for the environment

R-phrases

R10 Flammable
R20/21 Harmful by inhalation and in contact with skin
R36/38 Irritating to eyes and skin
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects.
R 65 Harmful, may cause lung damage if swallowed

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S-phrases

S36/37 Wear suitable protective clothing and gloves

National legislation

Notification status : The components of the product are listed in EINECS inventory

16. OTHER INFORMATION

The information given herein is based on our present state of knowledge and concern specifically the described material. There is no guarantee when used in combination with other materials or to any fermentation.