

MATERIAL SAFETY DATA SHEETS

ZIRCONIUM OCTOATE

ORGANOMETAL ZIRCONIUM SALT

Product Name: 18% ZIRCONIUM OCTOATE (BAP Zr18)

Proper Shipping Name : Paint Related Material

CAS#: 22464-99-9

CI#: Not available.

Synonym:

Chemical Name: Cobalt 2-Ethylhexanoate

Chemical Formula: [C8H15OO] 2ZrO

Date: 10.04.14

Edition: 01

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

Product information /Trade Name: 18% ZIRCONIUM OCTOATE (BAP Zr18)

Use: Paint Drier/FRP accelerator

Company:

Bhagwati Allied Products

Address: Plot No K216, MIDC Waluj

Aurangabad - 431136, Maharashtra,

India **Mobile: +91 9422206426**

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Mail ID – sales@driersco.in bhagwatiallied@gmail.com

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2. COMPOSITION /INFORMATION ON INGREDIENTS

Chemical nature: Solution of organ metallic Zirconium salt in mineral spirit

	CAS No.	Concentration
Zirconium Octoate	22464-99-9	56%
Mineral spirit aliphatic	64742-88-7	44%

3. HAZARDS IDENTIFICATION

Risk advice 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 MEASURES

General Advice: Take off all contaminated immediately

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

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

Ingestion: Do not induce vomiting: contains petroleum distillates on

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

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, water spray

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 from sources of ignition. No smoking.

When pumping use anti-explosive motors.

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

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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
Color:	Trace Yellow liquid
Odor:	Characteristic mineral sprit
PH:	-
Melting point:	-15°C
Boiling point:	140 °C
Flash Point :	45 °C
Lower explosion limit:	0.6% V
Upper explosion limit:	7% V
Vapor pressure:	250 mm Hg in 38°C
Specific Gravity:	1.08 +/- 0.03
Solubility:	In organic solvents

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 does 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

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 and 99/45/EK

Hazards: -----

Symbols:



Irritant (Xi)

Dangerous for the environment (N)

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 effect.

R 65 Harmful, may cause lung damage if swallowed

EMS : F-E, S-E

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