

1. Product and Company Identification

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Product Name

Part Number

Company Details:

RXSOL CHEMO PHARMA INTERNATIONAL

C-356 S CENTRAL ROAD INDIRA NAGAR

MIDC INDISTRIAL AREA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone

Fax

Email

Website

Polish Preparation for Metal ZC

RXSOL-13-9492-278

2. Composition / Information on ingredients

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Component

Mixture of organic and non organic compound

Classification

H314, H318

Concentration

100%

with Citric acid and Borax.

3. Hazards Identification

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Classification of the substance or mixture

Acute toxicity, (Category 4)

H302: Harmful if swallowed.

Skin corrosion, (Sub-category 1B)

H314: Causes severe skin burns and eye damage.

Serious eye damage, (Category 1)

H318: Causes serious eye damage.

Specific target organ toxicity -

H335: May cause respiratory irritation.

single exposure, (Category 3),

Respiratory system

Short-term (acute) aquatic

H400: Very toxic to aquatic life.

hazard, (Category 1)

Long-term (chronic) aquatic

H410: Very toxic to aquatic life with long lasting effects.

hazard, (Category 1)

Label elements

Signal Word

Warning

Hazard statement

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Prec cautionary statement

P260 Do not breathe dust.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard Statements

Prec cautionary statements

H314 Causes severe skin burns and eye damage.

P260 Do not breathe dust.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

Other hazards

None

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

4. First Aid Measures

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General Advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

In case of eye contact

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most), avoid

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

No data available

5. Fire-fighting Measures

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Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Not combustible.

Fire may cause evolution of:

Hydrogen chloride gas

Ambient fire may liberate hazardous vapours.

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact.

Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

7. Handling and Storage

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Precautions for safe handling

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Tightly closed. Dry.

Storage conditions

Recommended storage temperature see product label

Storage class

Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

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Control parameters

Ingredients with workplace control parameters

Derived No Effect Level (DNEL)

Application Area	Routes of exposure	Health effect	Value
Worker DNEL, longterm	inhalation	Systemic effects	1 mg/m3
Worker DNEL, longterm	dermal	Systemic effects	
Consumer DNEL, longterm	inhalation	Systemic effects	1,3 mg/m3
Consumer DNEL, longterm	dermal	Systemic effects	
Consumer DNEL, longterm	oral	Systemic effects	

Compartment

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Protective clothing

Required when dusts are generated.

Body Protection

Respiratory protection

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P2

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions

of the producer.

These measures have to be properly documented.

Do not let product enter drains.

9. Physical and chemical properties

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Physical state	Powder
Color	White
Odor	Odorless
Melting point/freezing point	Melting point: 293 °C
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	The product is not flammable.
Upper/lower	No data available
flammability or	
explosive limits	
Flash point	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	Viscosity, kinematic: No data available
Water solubility	Viscosity, dynamic: > 100 - 200 mPa.s at 400 °C
Partition coefficient: n-octanol/water	851 g/l at 20 °C - OECD Test Guideline 105- completely soluble
Vapor pressure	Not applicable for inorganic substances
Density	2,93 g/cm3 at 22 °C
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None
Other safety information	
Bulk density	ca.1.400 - 1.800 kg/m3
Particle size	ca.0,288 mm - Mean particle size

10. Stability and reactivity

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Reactivity	No data available
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Violent reactions possible with: sodium
Conditions to avoid	Strong oxidizing agents
Incompatible materials	No information available
Hazardous decomposition products	Various metals In the event of fire: see section 5

11. Toxicological information

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Acute toxicity

LD50 Oral - Rat - male and female - > 6.740 mg/kg

(OECD Test Guideline 401)

Remarks: The value is given in analogy to the following substances:
Butanedioic acid,

sodium salt (1:1)

LC50 Inhalation - Rat - male and female - 4 h - > 1,284 mg/l - dust/mist

(OECD Test Guideline 403)

Remarks: The value is given in analogy to the following substances:
fumaric acid

Dermal: No data available

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Irreversible effects on the eye - 24 h

(OECD Test Guideline 405)

Respiratory or skin sensitization

Maximization Test - Guinea pig

Result: negative

(OECD Test Guideline 406)

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information**Endocrine disrupting properties****Assessment**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU)

2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Repeated dose toxicity - Rat - male and female - Oral - 13 Weeks - NOAEL (No observed adverse effect level) - 860 mg/kg

Remarks: The value is given in analogy to the following substances:
Butanedioic acid, sodium salt (1:1)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

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Toxicity

Toxicity to fish

Semi-static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h
(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Semi-static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h
(OECD Test Guideline 202)

Toxicity to algae

Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 46,8 mg/l - 72 h
(OECD Test Guideline 201)

Toxicity to bacteria

Static test EC50 - activated sludge - > 300 mg/l - 3 h
(OECD Test Guideline 209)

Persistence and degradability

Biodegradability

aerobic - Exposure time 28 d
Result: 96,55 % - Readily biodegradable.

(OECD Test Guideline 301E)

Bioaccumulative potential

Mobility in soil

Results of PBT and vPvB assessment

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Endocrine disrupting properties

Product

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Other adverse effects

No data available

13. Disposal considerations

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Waste Treatment Methods

No data available

14. Transport information

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ADR/RID: IMDG: IATA:

UN proper shipping name

ADR/RID: Not regulated for transport

IMDG: Not regulated for transport

IATA: Not regulated for transport

Transport hazard class(es)

ADR/RID: 4 IMDG:4 IATA: 4

Packaging group

ADR/RID: III IMDG: III IATA: III

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the

This material safety data sheet complies with the requirements of

substance or mixture

Regulation (EC) No. 1907/2006.

National legislation

E1 ENVIRONMENTAL HAZARDS

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Other regulations

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

Chemical Safety Assessment

Take note of Dir 94/33/EC on the protection of young people at work. A Chemical Safety Assessment has been carried out for this substance.

16. Other information

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Other Information

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